


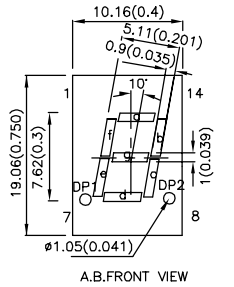
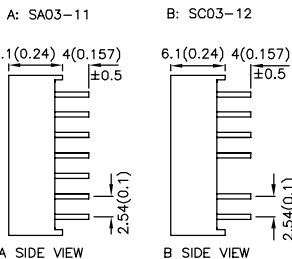
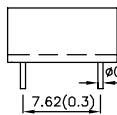
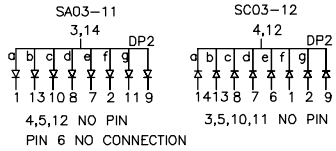

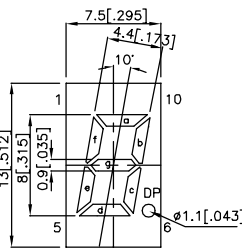
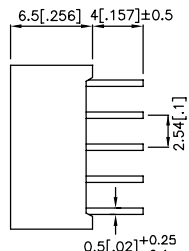
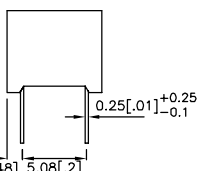
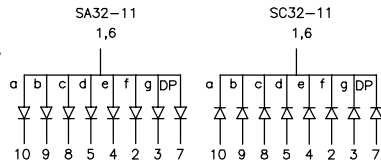

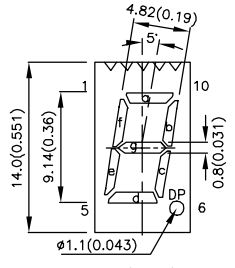
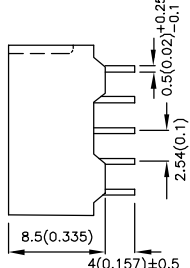
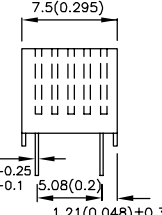
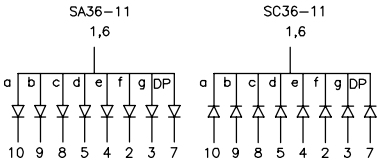
# Kingbright

## Optoelectronic Components

### THROUGH-HOLE DISPLAY

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## SINGLE DIGIT 7-SEGMENT THROUGH-HOLE DISPLAY

Part Number		Material	$\lambda$ D (nm)	Iv (ucd) @10mA		Dimension
Common Anode	Common Cathode			Min.	Typ.	
SA03-11SEKWA	SC03-12SEKWA	AlGaInP	601	52000	150000	0.3 inch (7.62mm), Gray Face, White Segment     
SA03-11SURKWA	SC03-12SURKWA	AlGaInP	630	31000	67000	
SA03-11SYKWA	SC03-12SYKWA	AlGaInP	590	52000	100000	
SA03-11CGKWA	SC03-12CGKWA	AlGaInP	570	21000	57000	
SA32-11EWA	SC32-11EWA	GaAsP/GaP	617	3600	7600	0.32 inch (8mm), Gray Face, White Segment     
SA32-11SRWA	SC32-11SRWA	GaAlAs	640	14000	31000	
SA32-11YWA	SC32-11YWA	GaAsP/GaP	588	2200	5000	
SA32-11GWA	SC32-11GWA	GaP	568	3600	7100	
SA36-11SEKWA	SC36-11SEKWA	AlGaInP	601	21000	45000	0.36 inch (9.14mm), Gray Face, White Segment     
SA36-11SURKWA	SC36-11SURKWA	AlGaInP	630	14000	28000	
SA36-11SYKWA	SC36-11SYKWA	AlGaInP	590	21000	45000	
SA36-11CGKWA	SC36-11CGKWA	AlGaInP	570	3600	11000	

NOTES:

1. All dimensions are in millimeters(inches).  
2. Tolerance is  $\pm 0.25\text{mm}(0.01")$  unless otherwise noted.

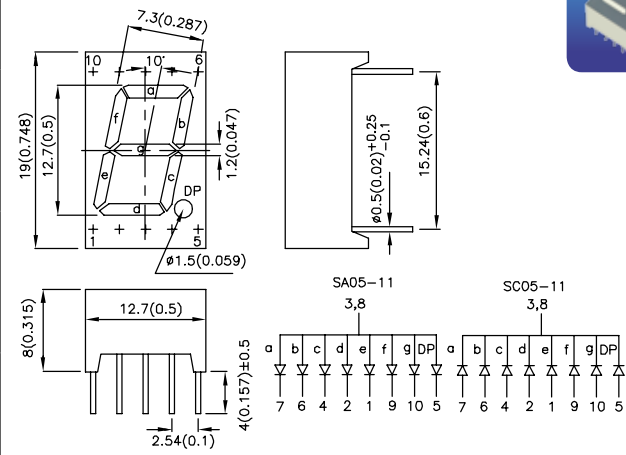
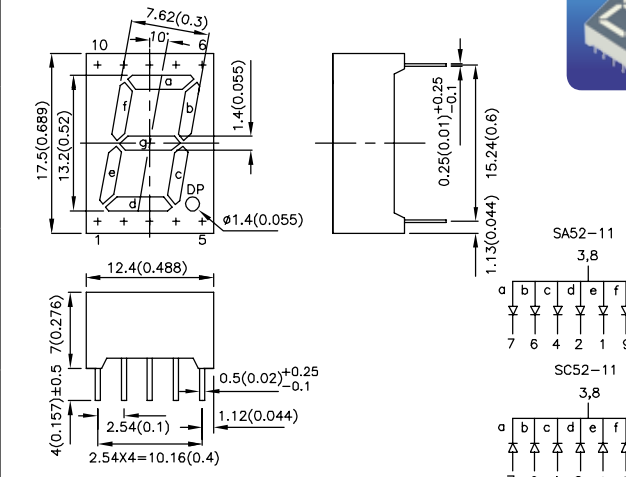
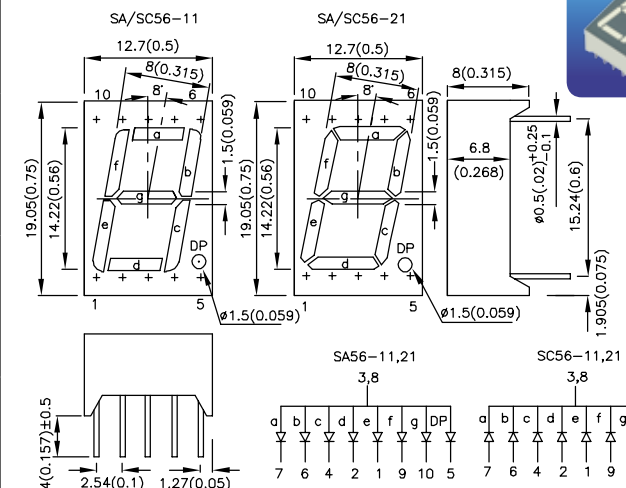
## SINGLE DIGIT 7-SEGMENT THROUGH-HOLE DISPLAY

Part Number		Material	$\lambda$ D (nm)	Iv (ucd) @10mA		Dimension
Common Anode	Common Cathode			Min.	Typ.	
SA39-11SEKWA SA39-12SEKWA	SC39-11SEKWA SC39-12SEKWA	AlGaInP	601	21000	59000	0.39 inch (9.9mm), Gray Face, White Segment   SX39
SA39-11SURKWA SA39-12SURKWA	SC39-11SURKWA SC39-12SURKWA	AlGaInP	630	21000	46000	
SA39-11SYKWA SA39-12SYKWA	SC39-11SYKWA SC39-12SYKWA	AlGaInP	590	31000	86000	
SA39-11CGKWA SA39-12CGKWA	SC39-11CGKWA SC39-12CGKWA	AlGaInP	570	9000	21000	
SA04-11SEKWA SA04-12SEKWA	SC04-11SEKWA SC04-12SEKWA	AlGaInP	601	52000	160000	0.4 inch (10.16mm), Gray Face, White Segment  A.B.C.FRONT VIEW A SIDE VIEW B SIDE VIEW C SIDE VIEW  SX04
SA04-11SURKWA SA04-12SURKWA	SC04-11SURKWA SC04-12SURKWA	AlGaInP	630	31000	80000	
SA04-11SYKWA SA04-12SYKWA	SC04-11SYKWA SC04-12SYKWA	AlGaInP	590	52000	130000	
SA04-11CGKWA SA04-12CGKWA	SC04-11CGKWA SC04-12CGKWA	AlGaInP	570	14000	30000	
SA43-11SEKWA SA43-13SEKWA	SC43-11SEKWA SC43-13SEKWA	AlGaInP	601	88000	220000	0.43 inch (10.92mm), Gray Face, White Segment   SX43
SA43-11SURKWA SA43-13SURKWA	SC43-11SURKWA SC43-13SURKWA	AlGaInP	630	52000	100000	
SA43-11SYKWA SA43-13SYKWA	SC43-11SYKWA SC43-13SYKWA	AlGaInP	590	52000	160000	
SA43-11CGKWA SA43-13CGKWA	SC43-11CGKWA SC43-13CGKWA	AlGaInP	570	14000	39000	

## NOTES:

1. All dimensions are in millimeters(inches).
2. Tolerance is  $\pm 0.25\text{mm}(0.01")$  unless otherwise noted.

## SINGLE DIGIT 7-SEGMENT THROUGH-HOLE DISPLAY

Part Number		Material	$\lambda$ D (nm)	Iv (ucd) @10mA		Dimension
Common Anode	Common Cathode			Min.	Typ.	
SA05-11SEKWA	SC05-11SEKWA	AlGaInP	601	31000	93000	<div>0.5 inch (12.7mm), Gray Face, White Segment</div> <div></div>
SA05-11SURKWA	SC05-11SURKWA	AlGaInP	630	31000	69000	
SA05-11SYKWA	SC05-11SYKWA	AlGaInP	590	52000	120000	
SA05-11CGKWA	SC05-11CGKWA	AlGaInP	570	14000	34000	
SA52-11SEKWA	SC52-11SEKWA	AlGaInP	601	52000	160000	<div>0.52 inch (13.2mm), Gray Face, White Segment</div> <div></div>
SA52-11SURKWA	SC52-11SURKWA	AlGaInP	630	52000	110000	
SA52-11SYKWA	SC52-11SYKWA	AlGaInP	590	52000	140000	
SA52-11CGKWA	SC52-11CGKWA	AlGaInP	570	14000	46000	
SA56-11SEKWA SA56-21SEKWA	SC56-11SEKWA SC56-21SEKWA	AlGaInP	601	52000	110000	<div>0.56 inch (14.2mm), Gray Face, White Segment</div> <div></div>
SA56-11SURKWA SA56-21SURKWA	SC56-11SURKWA SC56-21SURKWA	AlGaInP	630	31000	97000	
SA56-11SYKWA SA56-21SYKWA	SC56-11SYKWA SC56-21SYKWA	AlGaInP	590	52000	160000	
SA56-11CGKWA SA56-21CGKWA	SC56-11CGKWA SC56-21CGKWA	AlGaInP	570	14000	35000	

## NOTES:

1. All dimensions are in millimeters(inches).
2. Tolerance is  $\pm 0.25\text{mm}(0.01")$  unless otherwise noted.



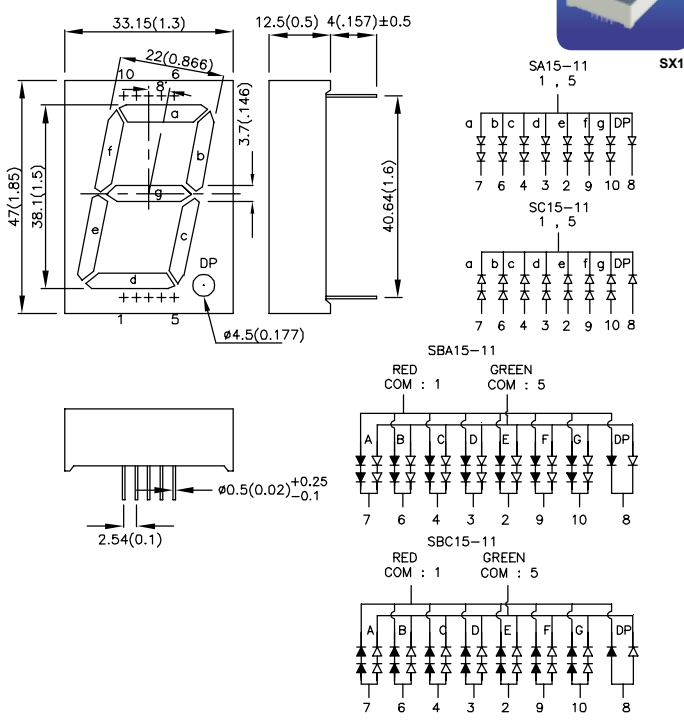
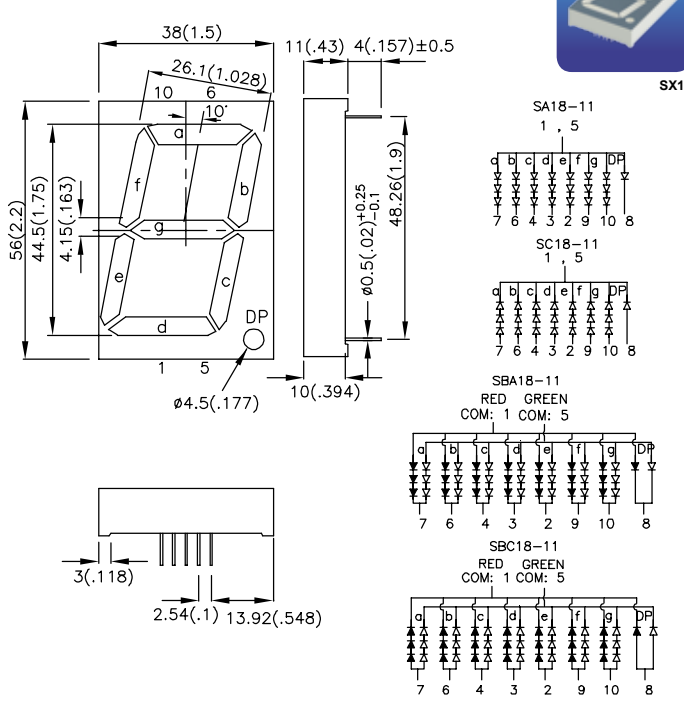
## SINGLE DIGIT 7-SEGMENT THROUGH-HOLE DISPLAY

Part Number		Material	$\lambda$ D (nm)	Iv (ucd) @10mA		Dimension
Common Anode	Common Cathode			Min.	Typ.	
SA08-11SEKWA SA08-12SEKWA SA08-21SEKWA	SC08-11SEKWA SC08-12SEKWA SC08-21SEKWA	AlGaInP	601	52000	150000	<p>0.8 inch (20.32mm), Gray Face, White Segment</p> <p>SA/SC08-11 SA/SC08-12</p> <p>SA08-11,12 3,5,11,16 SC08-11,12 3,5,11,16</p> <p>SA08-21 2,15,13,11,9,5,7,3,14,10 SC08-21 4,9,12,17</p>
SA08-11SURKWA SA08-12SURKWA SA08-21SURKWA	SC08-11SURKWA SC08-12SURKWA SC08-21SURKWA	AlGaInP	630	21000	61000	
SA08-11SYKWA SA08-12SYKWA SA08-21SYKWA	SC08-11SYKWA SC08-12SYKWA SC08-21SYKWA	AlGaInP	590	52000	140000	
SA08-11CGKWA SA08-12CGKWA SA08-21CGKWA	SC08-11CGKWA SC08-12CGKWA SC08-21CGKWA	AlGaInP	570	14000	25000	
SA10-11SEKWA SA10-21SEKWA	SC10-11SEKWA SC10-21SEKWA	AlGaInP	601	150000	440000	<p>1.0 inch (25.4mm), Gray Face, White Segment</p> <p>SA/SC10-11</p> <p>SA10-11 3,6,14 SC10-11 3,6,14</p> <p>SA10-21 3,8 SC10-21 3,8</p>
SA10-11SURKWA SA10-21SURKWA	SC10-11SURKWA SC10-21SURKWA	AlGaInP	630	88000	260000	
SA10-11SYKWA SA10-21SYKWA	SC10-11SYKWA SC10-21SYKWA	AlGaInP	590	150000	400000	
SA10-11CGKWA SA10-21CGKWA	SC10-11CGKWA SC10-21CGKWA	AlGaInP	570	52000	95000	

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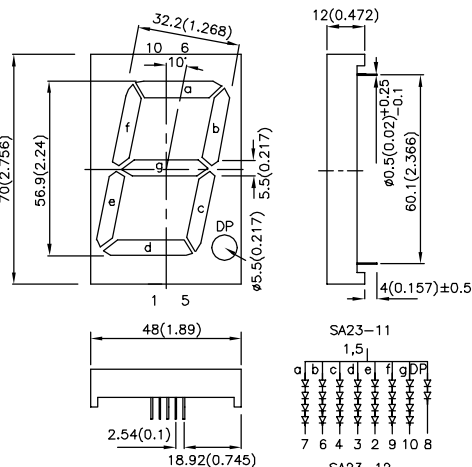
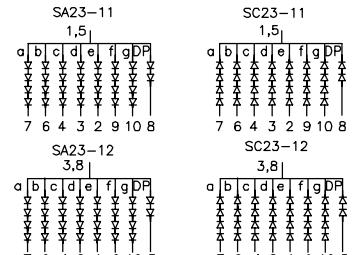
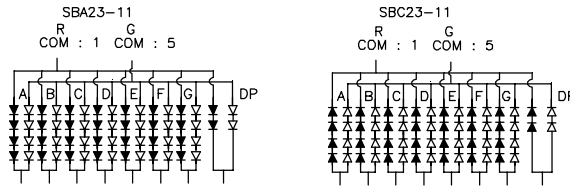
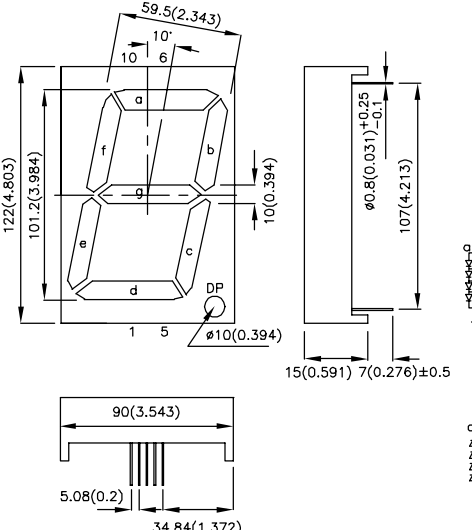
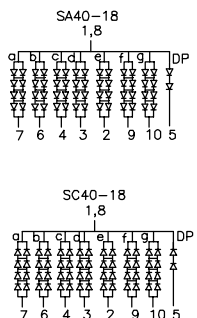
## SINGLE DIGIT 7-SEGMENT THROUGH-HOLE DISPLAY

Part Number		Material	$\lambda$ D (nm)	Iv (ucd) @10mA		Dimension
Common Anode	Common Cathode			Min.	Typ.	
SA15-11SEKWA	SC15-11SEKWA	AlGaInP	601	150000	420000	1.5 inch (38.1mm), Gray Face, White Segment 
SA15-11SURKWA	SC15-11SURKWA	AlGaInP	630	88000	210000	
SA15-11SYKWA	SC15-11SYKWA	AlGaInP	590	150000	400000	
SA15-11CGKWA	SC15-11CGKWA	AlGaInP	570	52000	100000	
SBA15-11 SURKCGKWA	SBC15-11 SURKCGKWA	AlGaInP	630	88000	210000	
		AlGaInP	570	52000	100000	
SA18-11SEKWA	SC18-11SEKWA	AlGaInP	601	255000	610000	1.75 inch (44.5mm), Gray Face, White Segment 
SA18-11SURKWA	SC18-11SURKWA	AlGaInP	630	150000	310000	
SA18-11SYKWA	SC18-11SYKWA	AlGaInP	590	255000	590000	
SA18-11CGKWA	SC18-11CGKWA	AlGaInP	570	52000	140000	
SBA18-11 SURKCGKWA	SBC18-11 SURKCGKWA	AlGaInP	630	150000	310000	
		AlGaInP	570	52000	140000	

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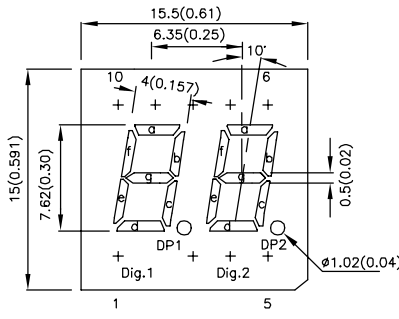
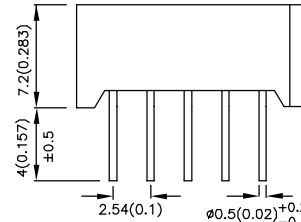
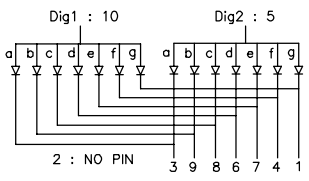
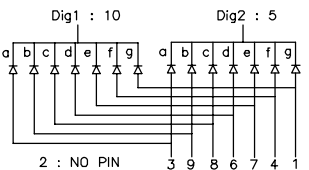

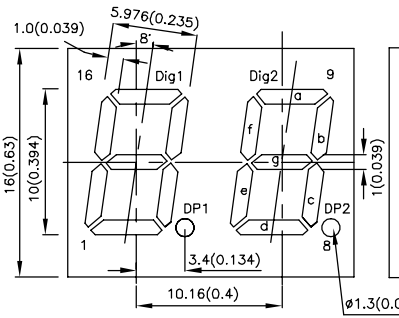
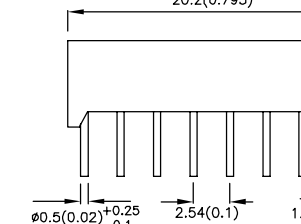
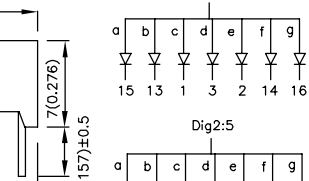
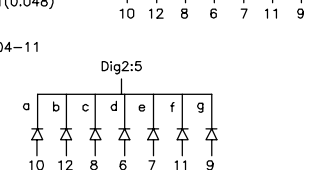
## SINGLE DIGIT 7-SEGMENT THROUGH-HOLE DISPLAY

Part Number		Material	$\lambda$ D (nm)	Iv (ucd) @10mA		Dimension
Common Anode	Common Cathode			Min.	Typ.	
SA23-11SEKWA SA23-12SEKWA	SC23-11SEKWA SC23-12SEKWA	AlGaInP	601	255000	650000	<p>2.24 inch (56.9mm), Gray Face, White Segment</p>   
SA23-11SURKWA SA23-12SURKWA	SC23-11SURKWA SC23-12SURKWA	AlGaInP	630	255000	440000	
SA23-11SYKWA SA23-12SYKWA	SC23-11SYKWA SC23-12SYKWA	AlGaInP	590	255000	720000	
SA23-11CGKWA SA23-12CGKWA	SC23-11CGKWA SC23-12CGKWA	AlGaInP	570	88000	200000	
SBA23-11 SURKCGKWA	SBC23-11 SURKCGKWA	AlGaInP	630	255000	440000	
		AlGaInP	570	88000	200000	
SA40-18SEKWA SA40-19SEKWA	SC40-18SEKWA SC40-19SEKWA	AlGaInP	601	255000	500000	<p>3.984 inch (101.2mm), Gray Face, White Segment</p>  
SA40-18SURKWA SA40-19SURKWA	SC40-18SURKWA SC40-19SURKWA	AlGaInP	630	88000	250000	
SA40-18SYKWA SA40-19SYKWA	SC40-18SYKWA SC40-19SYKWA	AlGaInP	590	150000	450000	
SA40-18CGKWA SA40-19CGKWA	SC40-18CGKWA SC40-19CGKWA	AlGaInP	570	31000	100000	

### NOTES:

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## DUAL DIGIT 7-SEGMENT THROUGH-HOLE DISPLAY

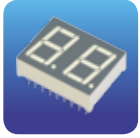
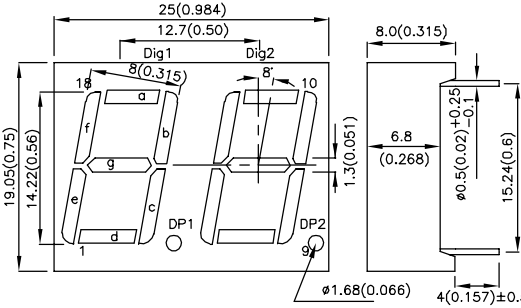
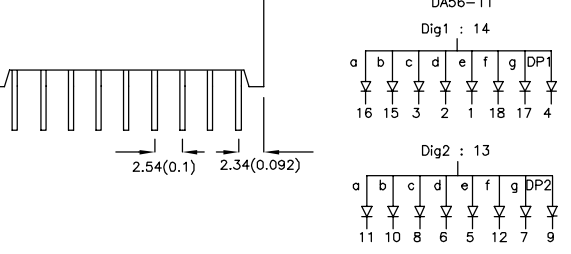
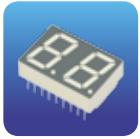
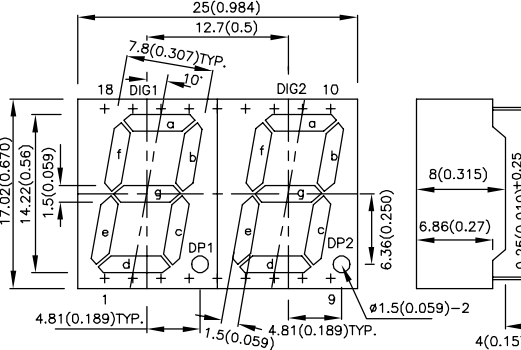
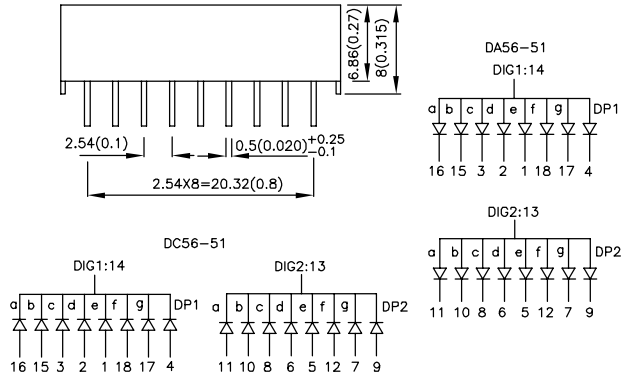
Part Number		Material	$\lambda$ D (nm)	Iv (ucd) @10mA		Dimension
Common Anode	Common Cathode			Min.	Typ.	
DA03-11SEKWA	DC03-11SEKWA	AlGaInP	601	31000	64000	0.3 inch (7.62mm), Gray Face, White Segment     
DA03-11SURKWA	DC03-11SURKWA	AlGaInP	630	21000	47000	
DA03-11SYKWA	DC03-11SYKWA	AlGaInP	590	21000	54000	
DA03-11CGKWA	DC03-11CGKWA	AlGaInP	570	9000	16000	
DA04-11SEKWA	DC04-11SEKWA	AlGaInP	601	31000	100000	0.394 inch (10mm), Gray Face, White Segment     
DA04-11SURKWA	DC04-11SURKWA	AlGaInP	630	21000	54000	
DA04-11SYKWA	DC04-11SYKWA	AlGaInP	590	31000	84000	
DA04-11CGKWA	DC04-11CGKWA	AlGaInP	570	9000	25000	

## NOTES:

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2. Tolerance is  $\pm 0.25\text{mm}(0.01")$  unless otherwise noted.



## DUAL DIGIT 7-SEGMENT THROUGH-HOLE DISPLAY

Part Number		Material	$\lambda$ D (nm)	Iv (ucd) @10mA		Dimension
Common Anode	Common Cathode			Min.	Typ.	
DA56-11SEKWA	DC56-11SEKWA	AlGaInP	601	52000	110000	<p>0.56 inch (14.22mm), Gray Face, White Segment</p>  <p>DX56-11</p>  <p>DA56-11 Dig1 : 14 Dig2 : 13</p> 
DA56-11SURKWA	DC56-11SURKWA	AlGaInP	630	31000	85000	
DA56-11SYKWA	DC56-11SYKWA	AlGaInP	590	52000	130000	
DA56-11CGKWA	DC56-11CGKWA	AlGaInP	570	14000	35000	
DA56-51SEKWA	DC56-51SEKWA	AlGaInP	601	52000	120000	<p>0.56 inch, (14.22mm), Gray Face, White Segment</p>  <p>DX56-51</p>  <p>DA56-51 DIG1:14 DIG2:13</p> 
DA56-51SURKWA	DC56-51SURKWA	AlGaInP	630	52000	100000	
DA56-51SYKWA	DC56-51SYKWA	AlGaInP	590	52000	120000	
DA56-51CGKWA	DC56-51CGKWA	AlGaInP	570	14000	23000	

### NOTES:

1. All dimensions are in millimeters (inches).
2. Tolerance is  $\pm 0.25\text{mm}$  (0.01") unless otherwise noted.

## DUAL DIGIT 7-SEGMENT THROUGH-HOLE DISPLAY

Part Number		Material	$\lambda$ D (nm)	Iv (ucd) @10mA		Dimension
Common Anode	Common Cathode			Min.	Typ.	
DA08-11SEKWA	DC08-11SEKWA	AlGaInP	601	52000	120000	<p>0.8 inch (20.32mm), Gray Face, White Segment</p> <p>DA08-11 Dig1 : 14 DP1</p> <p>DA08-11 Dig2 : 13 DP2</p> <p>DC08-11 Dig1 : 14 DP1</p> <p>DC08-11 Dig2 : 13 DP2</p>
DA08-11SURKWA	DC08-11SURKWA	AlGaInP	630	31000	75000	
DA08-11SYKWA	DC08-11SYKWA	AlGaInP	590	52000	94000	
DA08-11CGKWA	DC08-11CGKWA	AlGaInP	570	14000	38000	

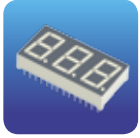
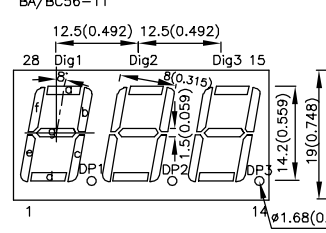
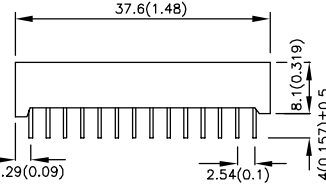
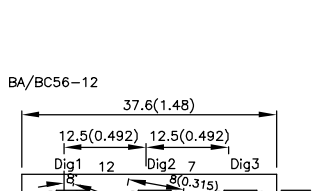
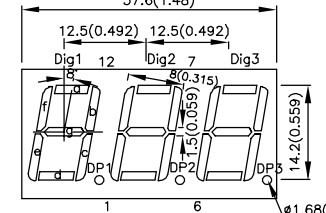
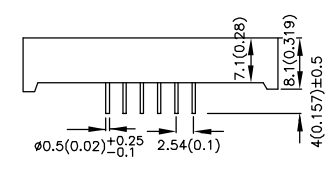
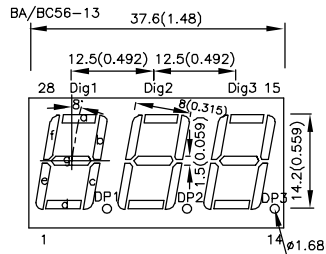
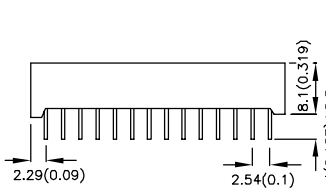
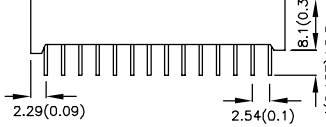

## THREE DIGIT 7-SEGMENT THROUGH-HOLE DISPLAY

Part Number		Material	$\lambda$ D (nm)	Iv (ucd) @10mA		Dimension
Common Anode	Common Cathode			Min.	Typ.	
BA04-11SEKWA	BC04-11SEKWA	AlGaInP	601	52000	160000	<p>0.4 inch (10.2mm), Gray Face, White Segment</p> <p>BA04-11 Dig.1:4 Dig.2:5 Dig.3:9</p> <p>BC04-11 Dig.1:4 Dig.2:5 Dig.3:9</p>
BA04-11SURKWA	BC04-11SURKWA	AlGaInP	630	21000	56000	
BA04-11SYKWA	BC04-11SYKWA	AlGaInP	590	52000	92000	
BA04-11CGKWA	BC04-11CGKWA	AlGaInP	570	9000	25000	

## NOTES:

1. All dimensions are in millimeters(inches).
2. Tolerance is  $\pm 0.25\text{mm}(0.01")$  unless otherwise noted.

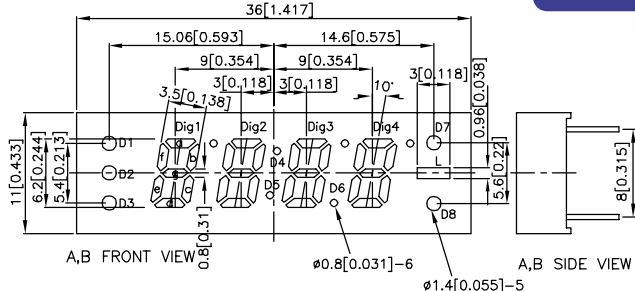
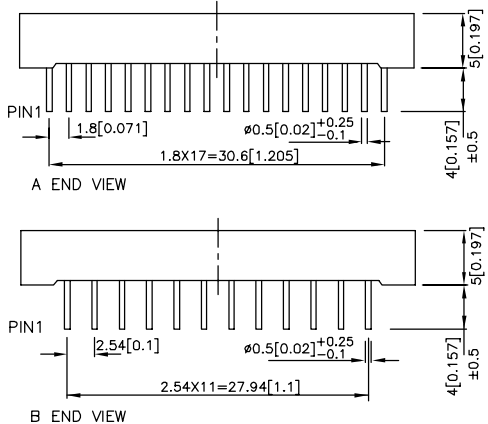
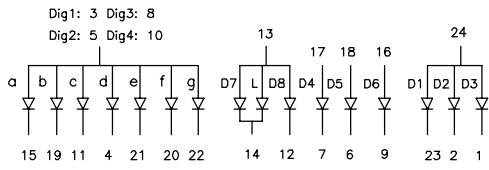
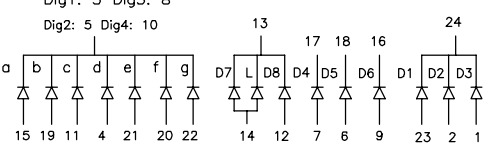
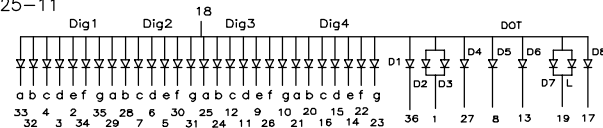
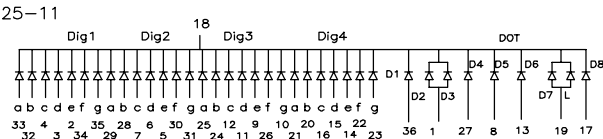
## THREE DIGIT 7-SEGMENT THROUGH-HOLE DISPLAY

Part Number		Material	$\lambda$ D (nm)	Iv (ucd) @10mA		Dimension
Common Anode	Common Cathode			Min.	Typ.	
BA56-11SEKWA BA56-12SEKWA BA56-13SEKWA	BC56-11SEKWA BC56-12SEKWA BC56-13SEKWA	AlGaInP	601	52000	120000	<p>0.56 inch (14.22mm), Gray Face, White Segment</p>  <p>BA/BC56-11</p>  <p>BA56-11 Dig1: 3, 26 Dig2: 19 Dig3: 18</p> <p>Dig1: 25 24 4 2 1 27 28 5 Dig2: 21 20 8 7 6 23 22 9 Dig3: 16 15 13 11 10 17 12 14</p>  <p>BA/BC56-12</p> <p>BA56-12 Dig1: 12 Dig2: 9 Dig3: 8</p> <p>Dig1: 25 24 4 2 1 27 28 5 Dig2: 21 20 8 7 6 23 22 9 Dig3: 16 15 13 11 10 17 12 14</p>  <p>BA/BC56-13</p> <p>BA56-13 Dig1: 26 Dig2: 8, 21 Dig3: 15</p> <p>Dig1: 27 24 3 2 1 28 25 4 Dig2: 22 19 7 6 5 23 20 9 Dig3: 16 14 12 11 10 17 18 13</p>
BA56-11SURKWA BA56-12SURKWA BA56-13SURKWA	BC56-11SURKWA BC56-12SURKWA BC56-13SURKWA	AlGaInP	630	31000	73000	<p>BA/BC56-12</p>  <p>BA56-12 Dig1: 12 Dig2: 9 Dig3: 8</p> <p>Dig1: 25 24 4 2 1 27 28 5 Dig2: 21 20 8 7 6 23 22 9 Dig3: 16 15 13 11 10 17 12 14</p>  <p>BA/BC56-13</p> <p>BA56-13 Dig1: 26 Dig2: 8, 21 Dig3: 15</p> <p>Dig1: 27 24 3 2 1 28 25 4 Dig2: 22 19 7 6 5 23 20 9 Dig3: 16 14 12 11 10 17 18 13</p>
BA56-11SYKWA BA56-12SYKWA BA56-13SYKWA	BC56-11SYKWA BC56-12SYKWA BC56-13SYKWA	AlGaInP	590	52000	120000	<p>BA/BC56-13</p>  <p>BA56-13 Dig1: 26 Dig2: 8, 21 Dig3: 15</p> <p>Dig1: 27 24 3 2 1 28 25 4 Dig2: 22 19 7 6 5 23 20 9 Dig3: 16 14 12 11 10 17 18 13</p>  <p>BA/BC56-12</p> <p>BA56-12 Dig1: 12 Dig2: 9 Dig3: 8</p> <p>Dig1: 25 24 4 2 1 27 28 5 Dig2: 21 20 8 7 6 23 22 9 Dig3: 16 15 13 11 10 17 12 14</p>
BA56-11CGKWA BA56-12CGKWA BA56-13CGKWA	BC56-11CGKWA BC56-12CGKWA BC56-13CGKWA	AlGaInP	570	14000	35000	<p>BA/BC56-13</p>  <p>BA56-13 Dig1: 26 Dig2: 8, 21 Dig3: 15</p> <p>Dig1: 27 24 3 2 1 28 25 4 Dig2: 22 19 7 6 5 23 20 9 Dig3: 16 14 12 11 10 17 18 13</p>  <p>BA/BC56-12</p> <p>BA56-12 Dig1: 12 Dig2: 9 Dig3: 8</p> <p>Dig1: 25 24 4 2 1 27 28 5 Dig2: 21 20 8 7 6 23 22 9 Dig3: 16 15 13 11 10 17 12 14</p>

## NOTES:

1. All dimensions are in millimeters (inches).
2. Tolerance is  $\pm 0.25\text{mm}$  (0.01") unless otherwise noted.

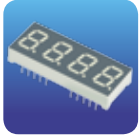
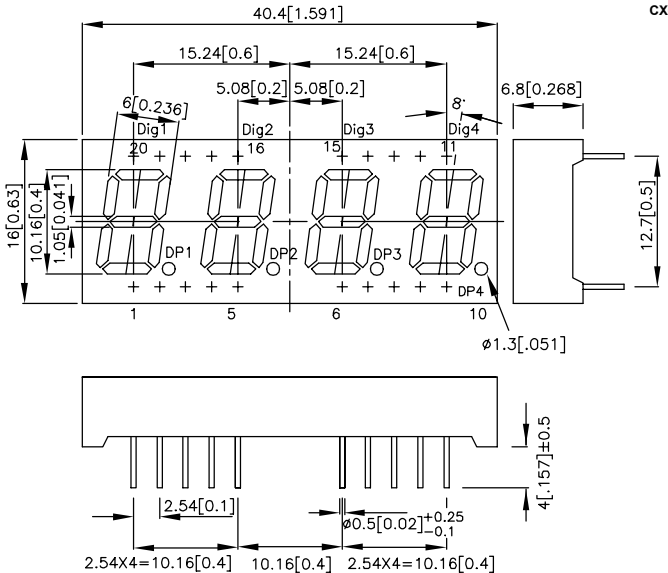
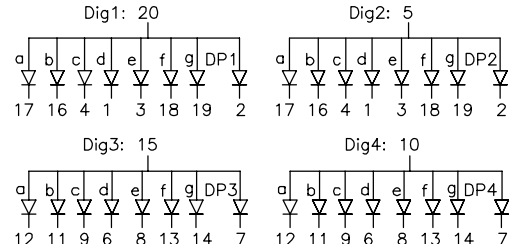
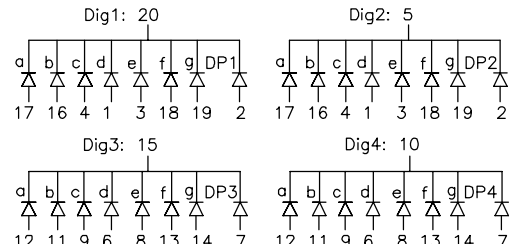
## FOUR DIGIT 7-SEGMENT THROUGH-HOLE DISPLAY

Part Number		Material	$\lambda$ D (nm)	Iv (ucd) @10mA		Dimension
Common Anode	Common Cathode			Min.	Typ.	
CA25-11SEKWA CA25-12SEKWA	CC25-11SEKWA CC25-12SEKWA	AlGaInP	601	52000	160000	<p>0.244 inch (6.2mm), Gray Face, White Segment</p> <p>A: CA/CC25-11 B: CA/CC25-12</p>  <p>A,B FRONT VIEW</p> <p>A,B SIDE VIEW</p>
CA25-11SURKWA CA25-12SURKWA	CC25-11SURKWA CC25-12SURKWA	AlGaInP	630	31000	80000	 <p>A END VIEW</p> <p>B END VIEW</p>
CA25-11SYKWA CA25-12SYKWA	CC25-11SYKWA CC25-12SYKWA	AlGaInP	590	52000	110000	<p>CA25-12</p>  <p>CC25-12</p> 
CA25-11CGKWA CA25-12CGKWA	CC25-11CGKWA CC25-12CGKWA	AlGaInP	570	14000	34000	<p>CA25-11</p>  <p>CC25-11</p> 

## NOTES:

1. All dimensions are in millimeters(inches).
2. Tolerance is  $\pm 0.25\text{mm}(0.01")$  unless otherwise noted.

## FOUR DIGIT 7-SEGMENT THROUGH-HOLE DISPLAY

Part Number		Material	$\lambda$ D (nm)	Iv (ucd) @10mA		Dimension
Common Anode	Common Cathode			Min.	Typ.	
CA04-41SEKWA	CC04-41SEKWA	AlGaInP	601	52000	140000	<p>0.4 inch (10.16mm), Gray Face, White Segment</p>  <p>CX04</p>  <p>CA04-41</p>  <p>CC04-41</p> 
CA04-41SURKWA	CC04-41SURKWA	AlGaInP	630	31000	87000	
CA04-41SYKWA	CC04-41SYKWA	AlGaInP	590	52000	110000	
CA04-41CGKWA	CC04-41CGKWA	AlGaInP	570	9000	24000	

## NOTES:


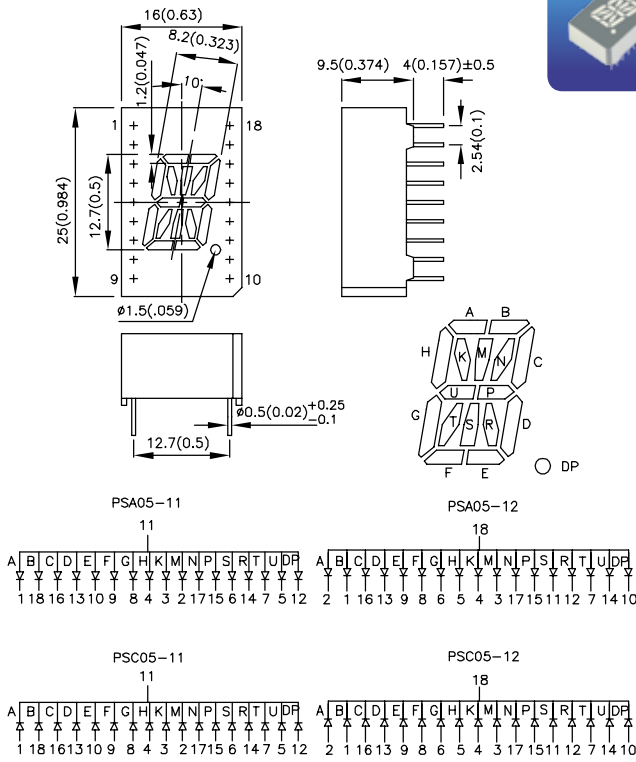

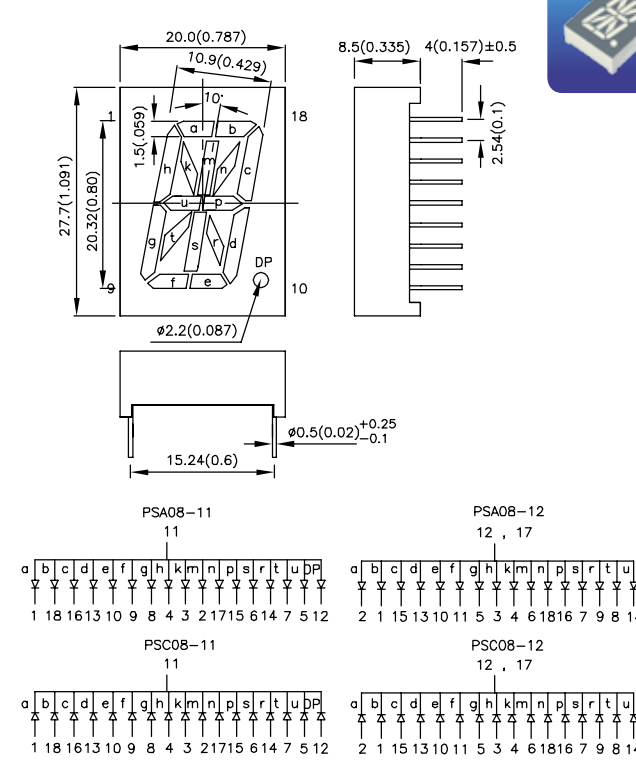
1. All dimensions are in millimeters(inches).
2. Tolerance is  $\pm 0.25\text{mm}(0.01")$  unless otherwise noted.

Part Number		Material	$\lambda$ D (nm)	Iv (ucd) @10mA		Dimension
Common Anode	Common Cathode			Min.	Typ.	
CA56-11SEKWA CA56-12SEKWA CA56-21SEKWA	CC56-11SEKWA CC56-12SEKWA CC56-21SEKWA	AlGaInP	601	52000	120000	<p>0.56 inch (14.22mm), Gray Face, White Segment</p> <p>A:CA/CC56-11 B:CA/CC56-12 C:CA/CC56-21</p> <p>50.3[1.98] 12.7[.5] 12.7[.5] 12.7[.5] 8.0[.315] 8 1.5[.059] 14.2[.559] 19[.748] 19 18 1 36 19 Dig.1 Dig.2 Dig.3 Dig.4 DP1 DP2 DP3 DP4 A,B,C FRONT VIEW PIN1 A END VIEW A,B,C SIDE VIEW B,C END VIEW CA56-11 CC56-11 Dig1: 32 Dig2: 31 Dig1: 32 Dig2: 31 Dig3: 23 Dig4: 22 Dig3: 23 Dig4: 22 CA56-12 CC56-12 Dig1: 12 Dig2: 9 Dig1: 12 Dig2: 9 Dig3: 8 Dig4: 6 Dig3: 8 Dig4: 6 CA56-21 CC56-21 Dig1: 12 Dig2: 9 Dig1: 12 Dig2: 9 Dig3: 8 Dig4: 6 Dig3: 8 Dig4: 6</p>
CA56-11SURKWA CA56-12SURKWA CA56-21SURKWA	CC56-11SURKWA CC56-12SURKWA CC56-21SURKWA	AlGaInP	630	31000	72000	<p>8.1[.319] 2.54[.1] 15.24[.6] 4[.157]<math>\pm</math>0.5 4[.157]<math>\pm</math>0.5 PIN1 A,B,C SIDE VIEW B,C END VIEW CA56-11 CC56-11 Dig1: 32 Dig2: 31 Dig1: 32 Dig2: 31 Dig3: 23 Dig4: 22 Dig3: 23 Dig4: 22 CA56-12 CC56-12 Dig1: 12 Dig2: 9 Dig1: 12 Dig2: 9 Dig3: 8 Dig4: 6 Dig3: 8 Dig4: 6 CA56-21 CC56-21 Dig1: 12 Dig2: 9 Dig1: 12 Dig2: 9 Dig3: 8 Dig4: 6 Dig3: 8 Dig4: 6</p>
CA56-11SYKWA CA56-12SYKWA CA56-21SYKWA	CC56-11SYKWA CC56-12SYKWA CC56-21SYKWA	AlGaInP	590	52000	120000	<p>8.1[.319] 2.54[.1] 15.24[.6] 4[.157]<math>\pm</math>0.5 4[.157]<math>\pm</math>0.5 PIN1 A,B,C SIDE VIEW B,C END VIEW CA56-11 CC56-11 Dig1: 32 Dig2: 31 Dig1: 32 Dig2: 31 Dig3: 23 Dig4: 22 Dig3: 23 Dig4: 22 CA56-12 CC56-12 Dig1: 12 Dig2: 9 Dig1: 12 Dig2: 9 Dig3: 8 Dig4: 6 Dig3: 8 Dig4: 6 CA56-21 CC56-21 Dig1: 12 Dig2: 9 Dig1: 12 Dig2: 9 Dig3: 8 Dig4: 6 Dig3: 8 Dig4: 6</p>
CA56-11CGKWA CA56-12CGKWA CA56-21CGKWA	CC56-11CGKWA CC56-12CGKWA CC56-21CGKWA	AlGaInP	570	14000	35000	<p>8.1[.319] 2.54[.1] 15.24[.6] 4[.157]<math>\pm</math>0.5 4[.157]<math>\pm</math>0.5 PIN1 A,B,C SIDE VIEW B,C END VIEW CA56-11 CC56-11 Dig1: 32 Dig2: 31 Dig1: 32 Dig2: 31 Dig3: 23 Dig4: 22 Dig3: 23 Dig4: 22 CA56-12 CC56-12 Dig1: 12 Dig2: 9 Dig1: 12 Dig2: 9 Dig3: 8 Dig4: 6 Dig3: 8 Dig4: 6 CA56-21 CC56-21 Dig1: 12 Dig2: 9 Dig1: 12 Dig2: 9 Dig3: 8 Dig4: 6 Dig3: 8 Dig4: 6</p>

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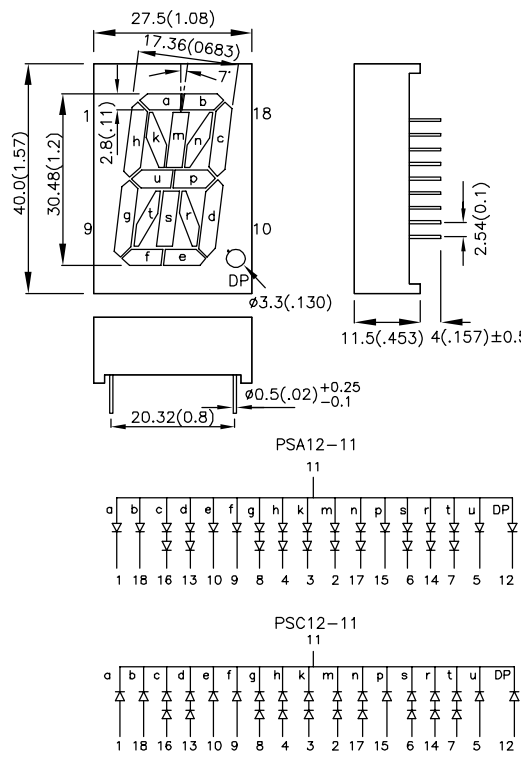
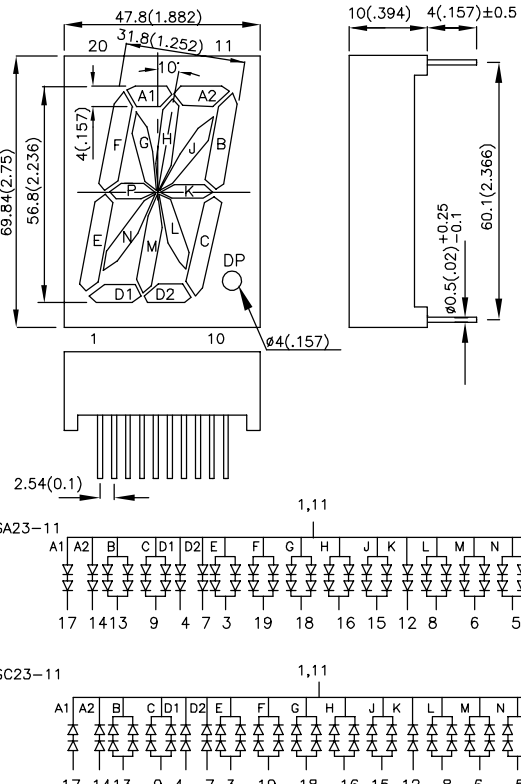
## ALPHANUMERIC THROUGH-HOLE DISPLAY

Part Number		Material	$\lambda$ D (nm)	Iv (ucd) @10mA		Dimension
Common Anode	Common Cathode			Min.	Typ.	
PSA05-11SEKWA PSA05-12SEKWA	PSC05-11SEKWA PSC05-12SEKWA	AlGaInP	601	52000	140000	0.5 inch (12.7mm), Gray Face, White Segment  PSX05 
PSA05-11SURKWA PSA05-12SURKWA	PSC05-11SURKWA PSC05-12SURKWA	AlGaInP	630	52000	110000	
PSA05-11SYKWA PSA05-12SYKWA	PSC05-11SYKWA PSC05-12SYKWA	AlGaInP	590	52000	160000	
PSA05-11CGKWA PSA05-12CGKWA	PSC05-11CGKWA PSC05-12CGKWA	AlGaInP	570	14000	32000	
PSA08-11SEKWA PSA08-12SEKWA	PSC08-11SEKWA PSC08-12SEKWA	AlGaInP	601	31000	100000	0.8 inch (20.32mm), Gray Face, White Segment  PSX08 
PSA08-11SURKWA PSA08-12SURKWA	PSC08-11SURKWA PSC08-12SURKWA	AlGaInP	630	31000	71000	
PSA08-11SYKWA PSA08-12SYKWA	PSC08-11SYKWA PSC08-12SYKWA	AlGaInP	590	52000	120000	
PSA08-11CGKWA PSA08-12CGKWA	PSC08-11CGKWA PSC08-12CGKWA	AlGaInP	570	14000	25000	

## NOTES:

1. All dimensions are in millimeters(inches).
2. Tolerance is  $\pm 0.25\text{mm}(0.01")$  unless otherwise noted.

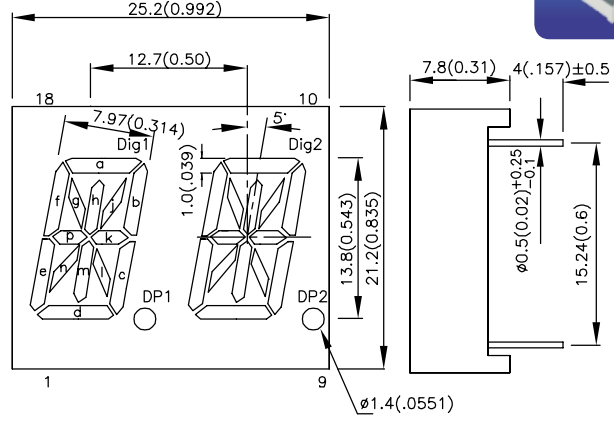
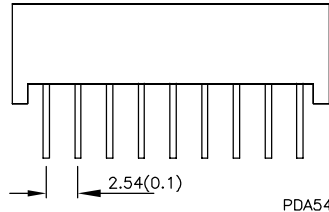
## ALPHANUMERIC THROUGH-HOLE DISPLAY

Part Number		Material	$\lambda$ D (nm)	Iv (ucd) @10mA		Dimension
Common Anode	Common Cathode			Min.	Typ.	
PSA12-11SEKWA	PSC12-11SEKWA	AlGaInP	601	52000	110000	<p>1.2 inch (30.48mm), Gray Face, White Segment</p>  <p>PSX12</p>
PSA12-11SURKWA	PSC12-11SURKWA	AlGaInP	630	31000	63000	
PSA12-11SYKWA	PSC12-11SYKWA	AlGaInP	590	52000	100000	
PSA12-11CGKWA	PSC12-11CGKWA	AlGaInP	570	14000	25000	
PSA23-11SEKWA	PSC23-11SEKWA	AlGaInP	601	52000	160000	<p>2.24 inch (56.8mm), Gray Face, White Segment</p>  <p>PSX23</p>
PSA23-11SURKWA	PSC23-11SURKWA	AlGaInP	630	52000	95000	
PSA23-11SYKWA	PSC23-11SYKWA	AlGaInP	590	52000	170000	
PSA23-11CGKWA	PSC23-11CGKWA	AlGaInP	570	14000	39000	

## NOTES:

1. All dimensions are in millimeters(inches).
2. Tolerance is  $\pm 0.25\text{mm}(0.01")$  unless otherwise noted.

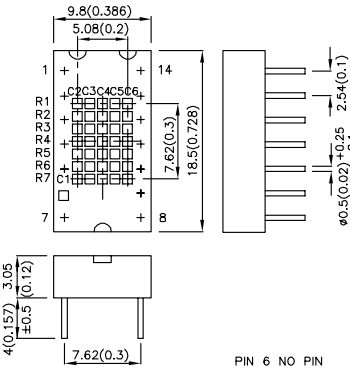
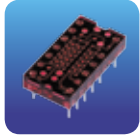
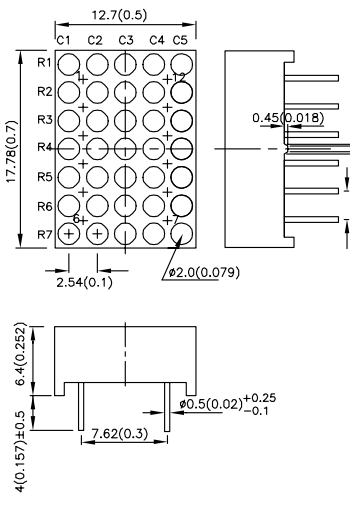
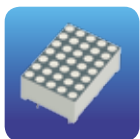
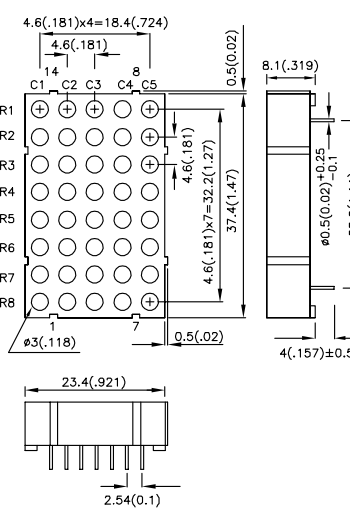
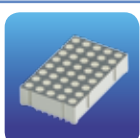
## ALPHANUMERIC THROUGH-HOLE DISPLAY

Part Number		Material	$\lambda$ D (nm)	Iv (ucd) @10mA		Dimension
Common Anode	Common Cathode			Min.	Typ.	
PDA54-11SEKWA PDA54-12SEKWA	PDC54-11SEKWA PDC54-12SEKWA	AlGaInP	601	52000	120000	<p>0.543inch (13.8mm), Gray Face, White Segment</p>  <p>25.2(0.992) 12.7(0.50) 18 7.97(0.314) 10 5° Dig1 Dig2 1.0(.039) 13.8(0.543) 21.2(0.835) 7.8(0.31) 4(.157)±0.5 ø0.5(0.02)±0.25 15.24(0.6) ø1.4(.0551)</p> <p>PDA54-11</p> <p>Dig 1 : 16 Dig 2 : 11</p> <p>a b c d e f g h j k l m n p DP1 a b c d e f g h j k l m n p DP2 1210 9 7 1 1817 1514 6 5 4 2 13 8 1210 9 7 1 1817 1514 6 5 4 2 13 8</p> <p>PDC54-11</p> <p>Dig 1 : 16 Dig 2 : 11</p> <p>a b c d e f g h j k l m n p DP1 a b c d e f g h j k l m n p DP2 1210 9 7 1 1817 1514 6 5 4 2 13 8 1210 9 7 1 1817 1514 6 5 4 2 13 8</p> <p>PDA54-12</p> <p>Dig. 1 12 14 4 1 17 18 3 6 12 14 4 1 17 18 3 9 a f e p h g n DP1 a f e p h g n DP2 d b c k m j i d b c k m j i</p> <p>PIN 2,7,11,13,16 NO CONNECTION</p> <p>PDC54-12</p> <p>Dig. 1 12 14 4 1 17 18 3 6 12 14 4 1 17 18 3 9 a f e p h g n DP1 a f e p h g n DP2 d b c k m j i d b c k m j i</p> <p>PIN 2,7,11,13,16 NO CONNECTION</p>
PDA54-11SURKWA PDA54-12SURKWA	PDC54-11SURKWA PDC54-12SURKWA	AlGaInP	630	31000	68000	 <p>2.54(0.1)</p> <p>PDA54-11</p> <p>Dig 1 : 16 Dig 2 : 11</p> <p>a b c d e f g h j k l m n p DP1 a b c d e f g h j k l m n p DP2 1210 9 7 1 1817 1514 6 5 4 2 13 8 1210 9 7 1 1817 1514 6 5 4 2 13 8</p> <p>PDC54-11</p> <p>Dig 1 : 16 Dig 2 : 11</p> <p>a b c d e f g h j k l m n p DP1 a b c d e f g h j k l m n p DP2 1210 9 7 1 1817 1514 6 5 4 2 13 8 1210 9 7 1 1817 1514 6 5 4 2 13 8</p> <p>PDA54-12</p> <p>Dig. 1 12 14 4 1 17 18 3 6 12 14 4 1 17 18 3 9 a f e p h g n DP1 a f e p h g n DP2 d b c k m j i d b c k m j i</p> <p>PIN 2,7,11,13,16 NO CONNECTION</p> <p>PDC54-12</p> <p>Dig. 1 12 14 4 1 17 18 3 6 12 14 4 1 17 18 3 9 a f e p h g n DP1 a f e p h g n DP2 d b c k m j i d b c k m j i</p> <p>PIN 2,7,11,13,16 NO CONNECTION</p>
PDA54-11SYKWA PDA54-12SYKWA	PDC54-11SYKWA PDC54-12SYKWA	AlGaInP	590	31000	87000	<p>PDA54-11</p> <p>Dig 1 : 16 Dig 2 : 11</p> <p>a b c d e f g h j k l m n p DP1 a b c d e f g h j k l m n p DP2 1210 9 7 1 1817 1514 6 5 4 2 13 8 1210 9 7 1 1817 1514 6 5 4 2 13 8</p> <p>PDC54-11</p> <p>Dig 1 : 16 Dig 2 : 11</p> <p>a b c d e f g h j k l m n p DP1 a b c d e f g h j k l m n p DP2 1210 9 7 1 1817 1514 6 5 4 2 13 8 1210 9 7 1 1817 1514 6 5 4 2 13 8</p> <p>PDA54-12</p> <p>Dig. 1 12 14 4 1 17 18 3 6 12 14 4 1 17 18 3 9 a f e p h g n DP1 a f e p h g n DP2 d b c k m j i d b c k m j i</p> <p>PIN 2,7,11,13,16 NO CONNECTION</p> <p>PDC54-12</p> <p>Dig. 1 12 14 4 1 17 18 3 6 12 14 4 1 17 18 3 9 a f e p h g n DP1 a f e p h g n DP2 d b c k m j i d b c k m j i</p> <p>PIN 2,7,11,13,16 NO CONNECTION</p>
PDA54-11CGKWA PDA54-12CGKWA	PDC54-11CGKWA PDC54-12CGKWA	AlGaInP	570	9000	22000	<p>PDA54-11</p> <p>Dig 1 : 16 Dig 2 : 11</p> <p>a b c d e f g h j k l m n p DP1 a b c d e f g h j k l m n p DP2 1210 9 7 1 1817 1514 6 5 4 2 13 8 1210 9 7 1 1817 1514 6 5 4 2 13 8</p> <p>PDC54-11</p> <p>Dig 1 : 16 Dig 2 : 11</p> <p>a b c d e f g h j k l m n p DP1 a b c d e f g h j k l m n p DP2 1210 9 7 1 1817 1514 6 5 4 2 13 8 1210 9 7 1 1817 1514 6 5 4 2 13 8</p> <p>PDA54-12</p> <p>Dig. 1 12 14 4 1 17 18 3 6 12 14 4 1 17 18 3 9 a f e p h g n DP1 a f e p h g n DP2 d b c k m j i d b c k m j i</p> <p>PIN 2,7,11,13,16 NO CONNECTION</p> <p>PDC54-12</p> <p>Dig. 1 12 14 4 1 17 18 3 6 12 14 4 1 17 18 3 9 a f e p h g n DP1 a f e p h g n DP2 d b c k m j i d b c k m j i</p> <p>PIN 2,7,11,13,16 NO CONNECTION</p>

## NOTES:

1. All dimensions are in millimeters(inches).
2. Tolerance is ±0.25mm(0.01") unless otherwise noted.


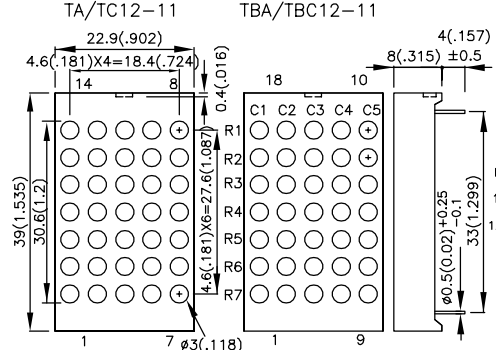
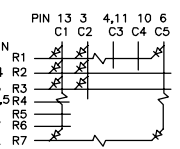
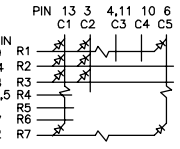
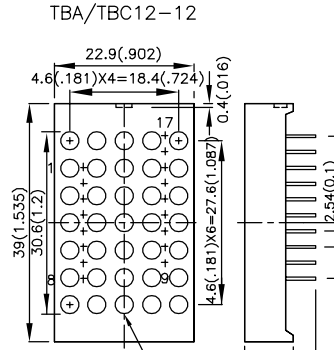
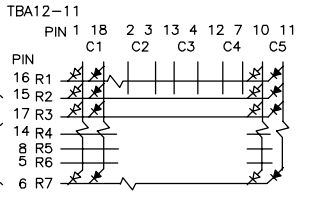
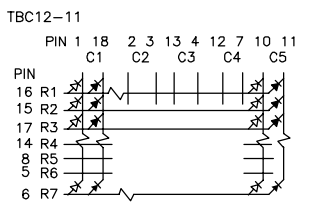
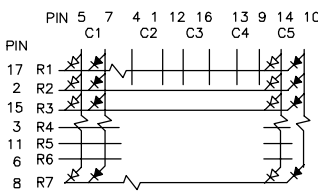
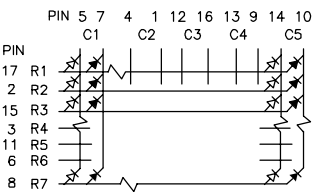
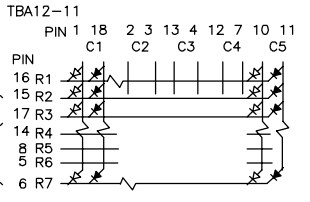
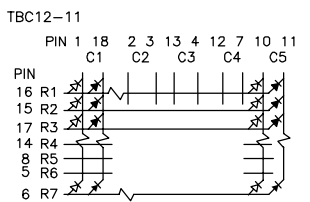
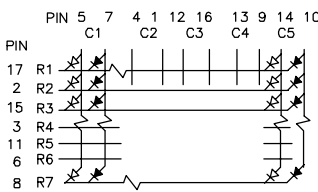
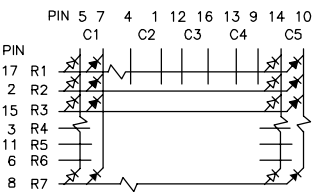
## DOT MATRIX

Part Number		Material	$\lambda$ D (nm)	Iv (ucd) @10mA		Dimension
Column Anode	Column Cathode			Min.	Typ.	
TA03-11SRT	/	GaAlAs	640	14000	30000	0.3 inch (7.62mm) Dot Matrix   TX03
TA03-11GT	/	GaP	568	3600	8300	
TA07-11SEKWA	TC07-11SEKWA	AlGaInP	601	52000	120000	0.7 inch (18mm), 5x7, Gray Face, White Dot   TX07
TA07-11SURKWA	TC07-11SURKWA	AlGaInP	630	31000	90000	
TA07-11SYKWA	TC07-11SYKWA	AlGaInP	590	52000	140000	
TA07-11CGKWA	TC07-11CGKWA	AlGaInP	570	21000	38000	
TA16-11SEKWA	TC16-11SEKWA	AlGaInP	601	88000	200000	1.38 inch (35.2mm), 5x8, Gray Face, White Dot   TX16
TA16-11SURKWA	TC16-11SURKWA	AlGaInP	630	52000	130000	
TA16-11SYKWA	TC16-11SYKWA	AlGaInP	590	88000	190000	
TA16-11CGKWA	TC16-11CGKWA	AlGaInP	570	21000	42000	

## NOTES:

1. All dimensions are in millimeters(inches).
2. Tolerance is  $\pm 0.25\text{mm}(0.01")$  unless otherwise noted.

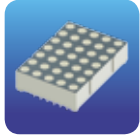
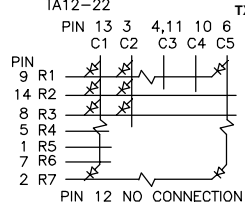
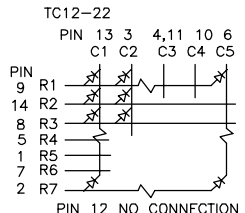
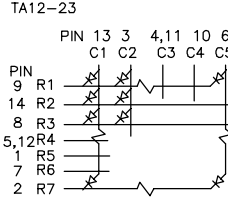
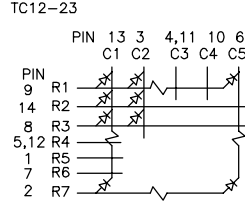
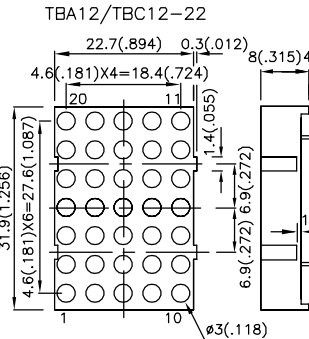
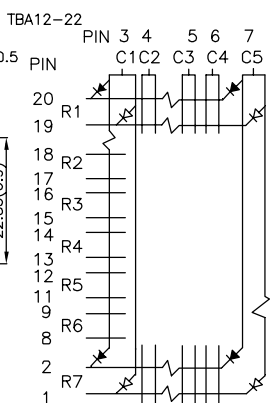
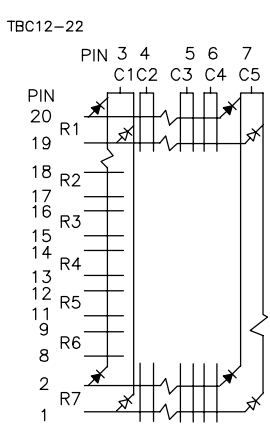
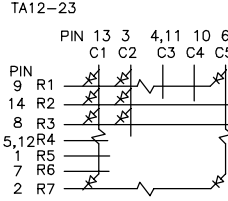
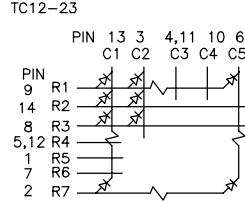
## DOT MATRIX

Part Number		Material	$\lambda$ D (nm)	Iv (ucd) @10mA		Dimension
Column Anode	Column Cathode			Min.	Typ.	
TA12-11SEKWA	TC12-11SEKWA	AlGaInP	601	88000	240000	1.2 inch (30mm), 5x7, Gray Face, White Dot  TA/TC12-11      TBA/TBC12-11  TA12-11  TC12-11  TBA/TBC12-12  TBA12-11  TBC12-11  TBA12-12  TBC12-12 
TA12-11SURKWA	TC12-11SURKWA	AlGaInP	630	52000	130000	
TA12-11SYKWA	TC12-11SYKWA	AlGaInP	590	88000	220000	
TA12-11CGKWA	TC12-11CGKWA	AlGaInP	570	31000	73000	
TBA12-11SURKCGKWA	TBC12-11SURKCGKWA	AlGaInP	630	52000	130000	TBA12-11  TBC12-11 
		AlGaInP	570	31000	73000	
TBA12-12SURKCGKWA	TBC12-12SURKCGKWA	AlGaInP	630	52000	130000	TBA12-12  TBC12-12 
		AlGaInP	570	31000	73000	

## NOTES:

1. All dimensions are in millimeters(inches).
2. Tolerance is  $\pm 0.25\text{mm}(0.01")$  unless otherwise noted.

## DOT MATRIX

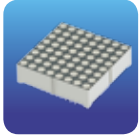
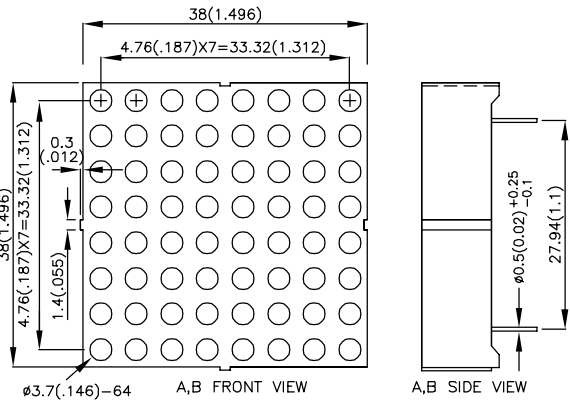
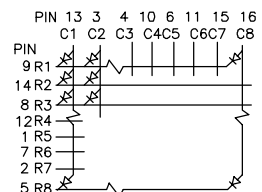
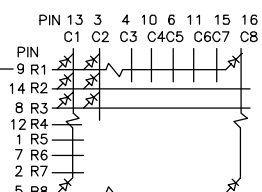
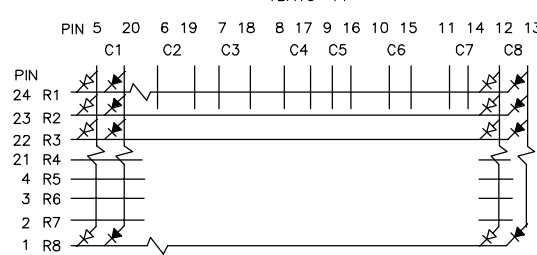
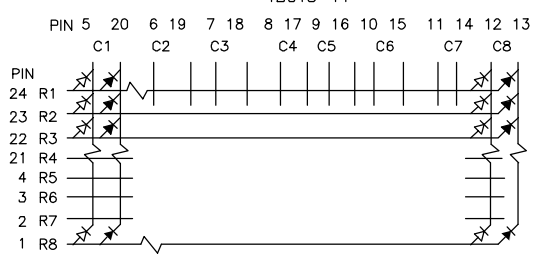
Part Number		Material	$\lambda$ D (nm)	Iv (ucd) @10mA		Dimension
Column Anode	Column Cathode			Min.	Typ.	
TA12-22SEKWA	TC12-22SEKWA	AlGaInP	601	88000	240000	<p>1.2 inch (30mm), 5x7, Gray Face, White Dot</p> <p>TA12/TC12-22 TA12/TC12-23</p>  <p>TA12-22</p>  <p>TC12-22</p>  <p>TA12-23</p>  <p>TC12-23</p> 
TA12-22SURKWA	TC12-22SURKWA	AlGaInP	630	52000	130000	
TA12-22SYKWA	TC12-22SYKWA	AlGaInP	590	88000	220000	
TA12-22CGKWA	TC12-22CGKWA	AlGaInP	570	31000	73000	
TBA12-22 SURKCGKWA	TBC12-22 SURKCGKWA	AlGaInP	630	52000	130000	
		AlGaInP	570	31000	73000	<p>TBA12/TBC12-22</p>  <p>TBA12-22</p>  <p>TBC12-22</p> 
TA12-23SRWA	TC12-23SRWA	GaAlAs	640	21000	45000	<p>TA12-23</p>  <p>TC12-23</p> 
TA12-23YWA	TC12-23YWA	GaAsP/GaP	588	5600	13000	

## NOTES:

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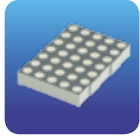
## DOT MATRIX

Part Number		Material	$\lambda$ D (nm)	Iv (ucd) @10mA		Dimension
Column Anode	Column Cathode			Min.	Typ.	
TA15-11SEKWA	TC15-11SEKWA	AlGaInP	601	52000	180000	<p>1.5 inch (38mm), 8x8, Gray Face, White Dot</p>  <p>TX15</p> <p>A : TA/TC15-11 B : TBA/TBC15-11</p>  <p>A,B FRONT VIEW</p> <p>A,B SIDE VIEW</p> <p>TA15-11</p>  <p>TC15-11</p>  <p>TBA15-11</p>  <p>TBC15-11</p>  <p>GREEN RED</p>
TA15-11SURKWA	TC15-11SURKWA	AlGaInP	630	52000	130000	
TA15-11SYKWA	TC15-11SYKWA	AlGaInP	590	88000	220000	
TA15-11CGKWA	TC15-11CGKWA	AlGaInP	570	21000	54000	
TBA15-11SURKCGKWA	TBC15-11SURKCGKWA	AlGaInP	630	52000	130000	
		AlGaInP	570	21000	54000	

## NOTES:

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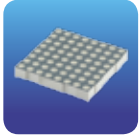
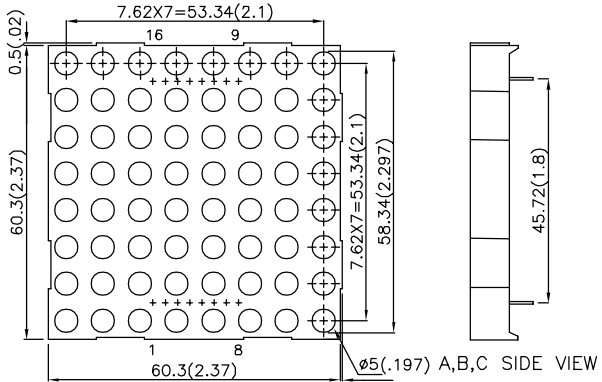
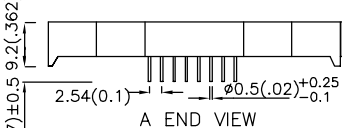
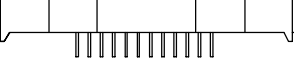

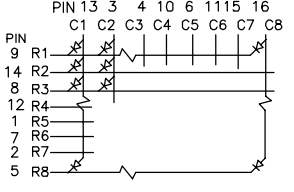
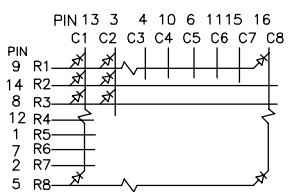
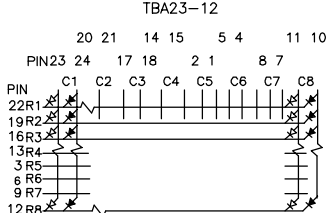
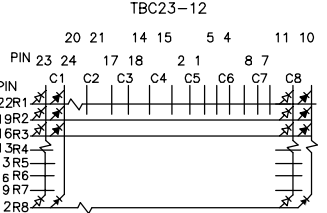
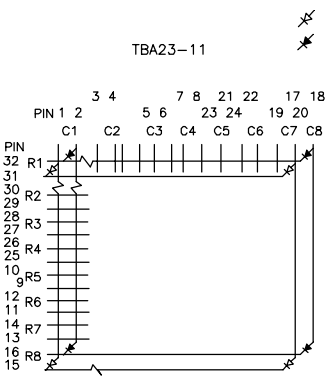
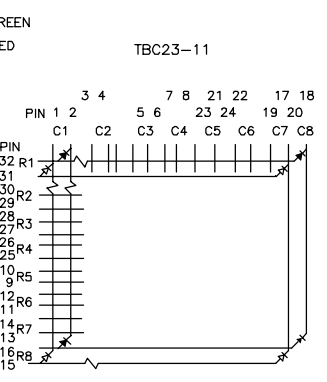
## DOT MATRIX

Part Number		Material	$\lambda$ D (nm)	Iv (ucd) @10mA		Dimension
Column Anode	Column Cathode			Min.	Typ.	
TA20-11SEKWA	TC20-11SEKWA	AlGaInP	601	88000	180000	2.0 inch (50mm), 5x7, Gray Face, White Dot  
TA20-11SURKWA	TC20-11SURKWA	AlGaInP	630	52000	130000	
TA20-11SYKWA	TC20-11SYKWA	AlGaInP	590	88000	160000	
TA20-11CGKWA	TC20-11CGKWA	AlGaInP	570	21000	52000	
TBA20-11 SURKCGKWA	TBC20-11 SURKCGKWA	AlGaInP	630	52000	130000	
		AlGaInP	570	21000	52000	
TBA20-12 SURKCGKWA	TBC20-12 SURKCGKWA	AlGaInP	630	52000	130000	
		AlGaInP	570	21000	52000	
		AlGaInP	630	52000	130000	
		AlGaInP	570	21000	52000	
		AlGaInP	630	52000	130000	
		AlGaInP	570	21000	52000	

## NOTES:

1. All dimensions are in millimeters(inches).
2. Tolerance is  $\pm 0.25\text{mm}(0.01")$  unless otherwise noted.

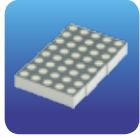
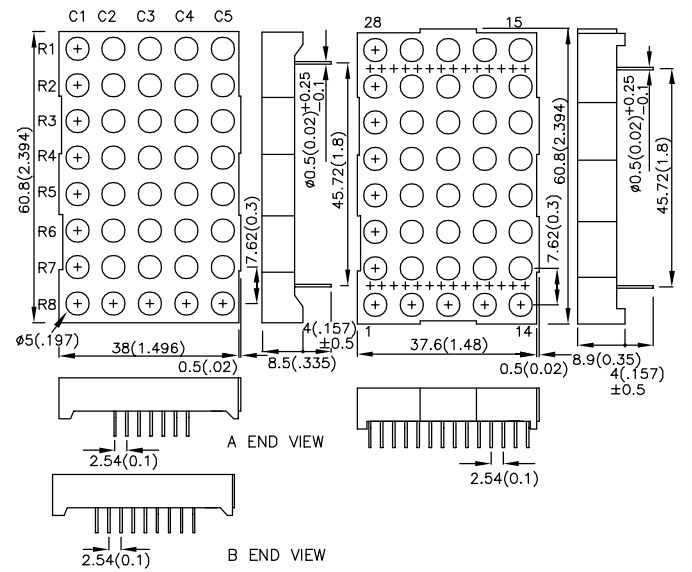
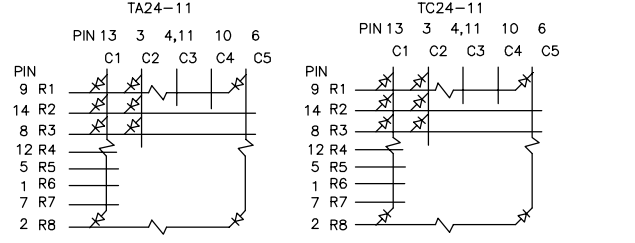
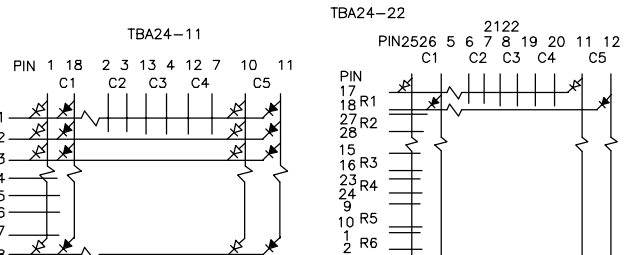
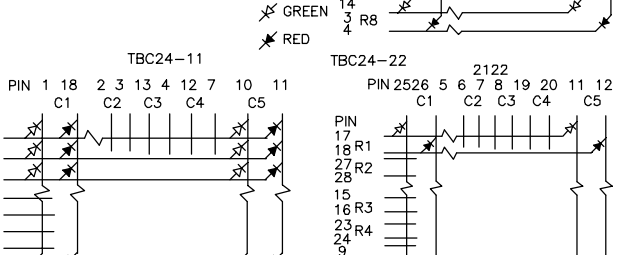
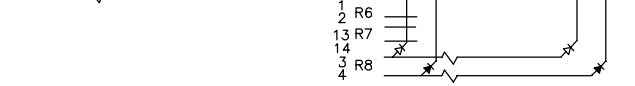
## DOT MATRIX

Part Number		Material	$\lambda$ D (nm)	Iv (ucd) @10mA		Dimension
Column Anode	Column Cathode			Min.	Typ.	
TA23-11SEKWA	TC23-11SEKWA	AlGaInP	601	88000	190000	2.3 inch (58mm), 8x8, Gray Face, White Dot  TX23 A : TA/TC23-11 B : TBA/TBC23-12 C : TBA/TBC23-11  A,B,C FRONT VIEW  A END VIEW  B END VIEW  C END VIEW  TA23-11  TC23-11  TBA23-12  TBC23-12  TBA23-11  TBC23-11
TA23-11SURKWA	TC23-11SURKWA	AlGaInP	630	52000	110000	
TA23-11SYKWA	TC23-11SYKWA	AlGaInP	590	88000	200000	
TA23-11CGKWA	TC23-11CGKWA	AlGaInP	570	21000	51000	
TBA23-11 SURKCGKWA	TBC23-11 SURKCGKWA	AlGaInP	630	52000	110000	
		AlGaInP	570	21000	51000	
TBA23-12 SURKCGKWA	TBC23-12 SURKCGKWA	AlGaInP	630	52000	110000	
		AlGaInP	570	21000	51000	

## NOTES:

1. All dimensions are in millimeters(inches).
2. Tolerance is  $\pm 0.25\text{mm}(0.01")$  unless otherwise noted.

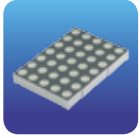
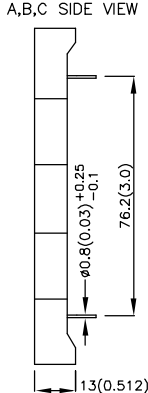
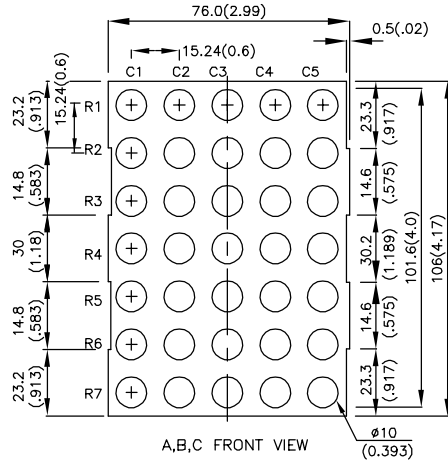
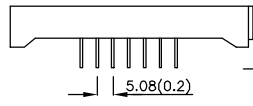
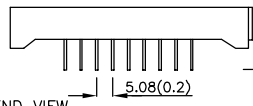
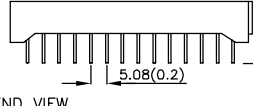
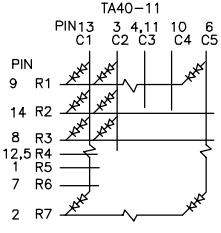
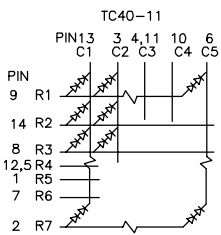
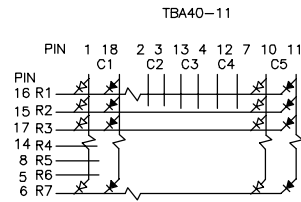
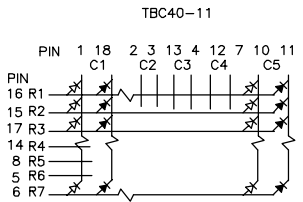
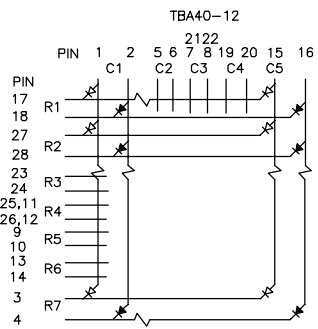
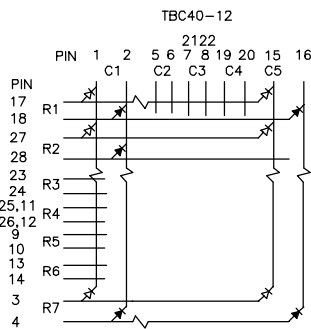
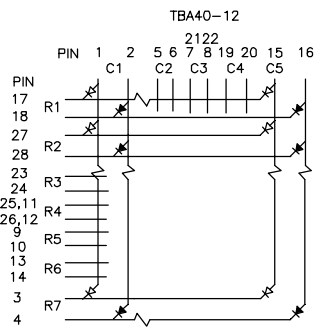
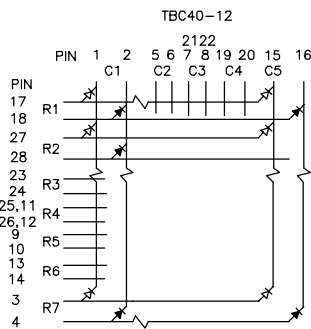
## DOT MATRIX

Part Number		Material	$\lambda$ D (nm)	Iv (ucd) @10mA		Dimension
Column Anode	Column Cathode			Min.	Typ.	
TA24-11SEKWA	TC24-11SEKWA	AlGaInP	601	88000	200000	2.4 inch (60.8mm), 5x8, Gray Face, White Dot  A: TA/TC24-11 B: TBA/TBC24-11   A,B FRONT VIEW    A,B SIDE VIEW    TBA/TBC24-22  TX24
TA24-11SURKWA	TC24-11SURKWA	AlGaInP	630	52000	150000	
TA24-11SYKWA	TC24-11SYKWA	AlGaInP	590	88000	230000	
TA24-11CGKWA	TC24-11CGKWA	AlGaInP	570	21000	42000	
TBA24-11 SURKCGKWA	TBC24-11 SURKCGKWA	AlGaInP	630	52000	150000	
TBA24-11 SURKCGKWA	TBC24-11 SURKCGKWA	AlGaInP	570	21000	42000	 TBA24-22  TBC24-11  TBC24-22  GREEN RED
TBA24-22 SURKCGKWA	TBC24-22 SURKCGKWA	AlGaInP	630	52000	150000	
TBA24-22 SURKCGKWA	TBC24-22 SURKCGKWA	AlGaInP	570	21000	42000	

## NOTES:

1. All dimensions are in millimeters(inches).
2. Tolerance is  $\pm 0.25\text{mm}(0.01")$  unless otherwise noted.

## DOT MATRIX

Part Number		Material	$\lambda$ D (nm)	Iv (ucd) @10mA		Dimension
Column Anode	Column Cathode			Min.	Typ.	
TA40-11SEKWA	TC40-11SEKWA	AlGaInP	601	255000	590000	4.0 inch (100mm), 5x7, Gray Face, White Dot A : TA/TC40-11 B : TBA/TBC40-11 C : TBA/TBC40-12  TX40            * FOR 2 RED CHIPS * FOR 2 GREEN CHIPS
TA40-11SURKWA	TC40-11SURKWA	AlGaInP	630	88000	240000	
TA40-11SYKWA	TC40-11SYKWA	AlGaInP	590	255000	570000	
TA40-11CGKWA	TC40-11CGKWA	AlGaInP	570	52000	140000	
TBA40-11 SURKCGKWA	TBC40-11 SURKCGKWA	AlGaInP	630	88000	240000	
		AlGaInP	570	52000	140000	
TBA40-12 SURKCGKWA	TBC40-12 SURKCGKWA	AlGaInP	630	88000	240000	  * FOR 2 RED CHIPS * FOR 2 GREEN CHIPS
		AlGaInP	570	52000	140000	

## NOTES:

1. All dimensions are in millimeters(inches).
2. Tolerance is  $\pm 0.25\text{mm}(0.01")$  unless otherwise noted.

## BAR GRAPH ARRAY

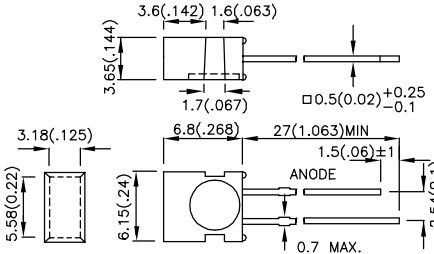
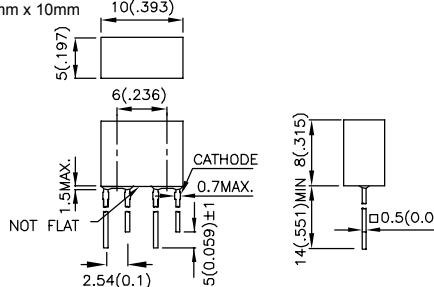
Part Number	Material	$\lambda$ D (nm)	Iv (ucd) @10mA		Dimension
			Min.	Typ.	
DC-05YWA	GaAsP/GaP	588	2200	9000	5 Segments, Bar graph-Display, Gray Face, White Segment  
DC-05GWA	GaP	568	5600	12000	
DC-10SEKWA	AlGaInP	601	52000	110000	10 Segments, Bar graph-Display, Gray Face, White Segment  
DC-10SURKWA	AlGaInP	630	31000	100000	
DC-10SYKWA	AlGaInP	590	52000	110000	
DC-10CGKWA	AlGaInP	570	14000	28000	
DC-20/20SEKWA	AlGaInP	601	52000	110000	20 Segments, Bar graph-Display, Gray Face, White Segment  
DC-20/20SURKWA	AlGaInP	630	31000	100000	
DC-20/20SYKWA	AlGaInP	590	52000	110000	
DC-20/20CGKWA	AlGaInP	570	14000	28000	
DD-12SEKWB	AlGaInP	601	88000	180000	12 Segments, Bar graph-Display, Black Face, White Segment  
DD-12SURKWB	AlGaInP	630	52000	95000	
DD-12SYKWB	AlGaInP	590	52000	110000	
DD-12CGKWB	AlGaInP	570	21000	35000	

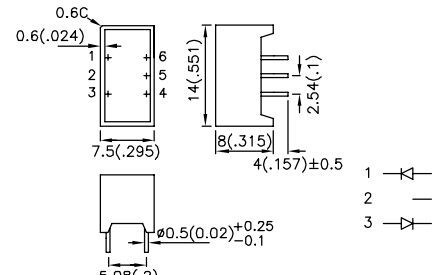
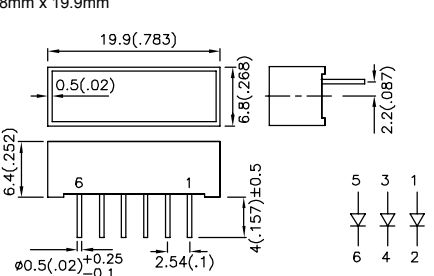
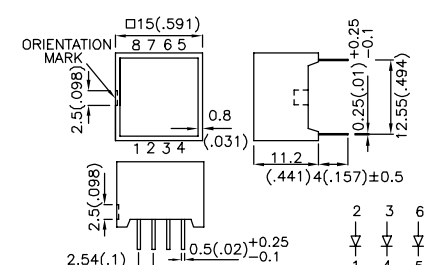
## NOTES:

1. All dimensions are in millimeters(inches).
2. Tolerance is  $\pm 0.25\text{mm}(0.01")$  unless otherwise noted.



## LIGHT BAR

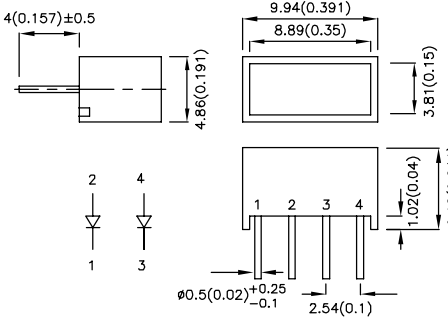
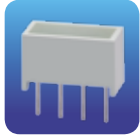
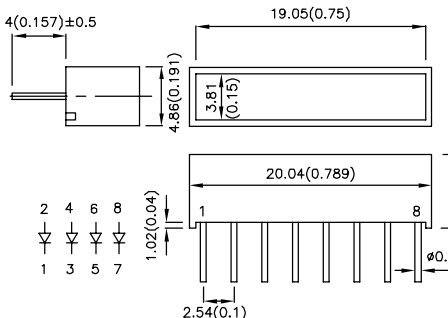

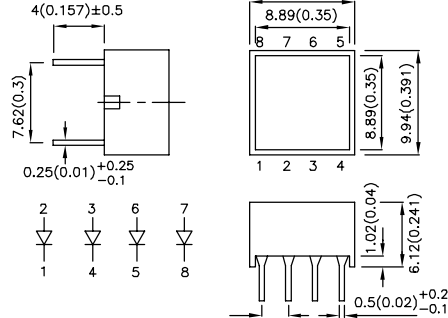
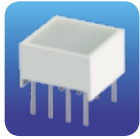
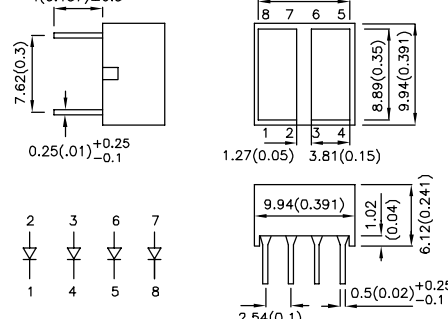
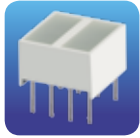
Part Number	Material	$\lambda_D$ (nm)	Lens Type	Iv (mcd) @20mA		Viewing Angle 2 $\theta$ 1/2	Dimension
				Min.	Typ.		
L-1043SEDTK	AlGaInP	601	orange diffused	60	120	100°	3.65mm x 6.15mm 
L-1043SURDTK	AlGaInP	630	red diffused	30	60	100°	
L-1043SYDTK	AlGaInP	590	yellow diffused	80	150	100°	
L-1043CGDTK	AlGaInP	570	green diffused	8	20	100°	
L-835/2SEDTK	AlGaInP	601	orange diffused	55	150	120°	5mm x 10mm 
L-835/2SURDTK	AlGaInP	630	red diffused	20	80	120°	
L-835/2SYDTK	AlGaInP	590	yellow diffused	55	120	120°	
L-835/2CGDTK	AlGaInP	570	green diffused	12	30	120°	

Part Number	Material	$\lambda_D$ (nm)	Lens Type	Iv (mcd) @20mA		Dimension
				Min.	Typ.	
DE/2SEKD	AlGaInP	601	orange diffused	500	1000	7.5mm x 14mm 
DE/2SURKD	AlGaInP	630	red diffused	400	600	
DE/2SYKD	AlGaInP	590	yellow diffused	700	1100	
DE/2CGKD	AlGaInP	570	green diffused	120	200	
DF-3SEKD	AlGaInP	601	orange diffused	700	1100	6.8mm x 19.9mm 
DF-3SURKD	AlGaInP	630	red diffused	400	620	
DF-3SYKD	AlGaInP	590	yellow diffused	700	1100	
DF-3CGKD	AlGaInP	570	green diffused	120	270	
DE/4SEKD	AlGaInP	601	orange diffused	1000	1500	15mm x 15mm 
DE/4SURKD	AlGaInP	630	red diffused	500	930	
DE/4SYKD	AlGaInP	590	yellow diffused	700	1200	
DE/4CGKD	AlGaInP	570	green diffused	120	220	

### NOTES:

1. All dimensions are in millimeters(inches).
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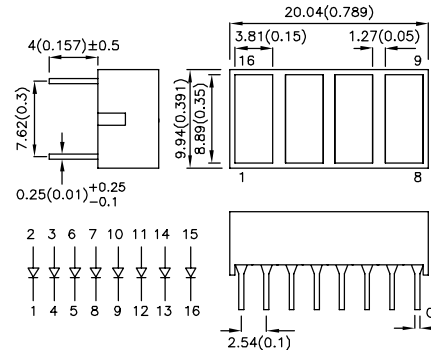
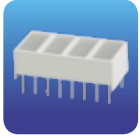
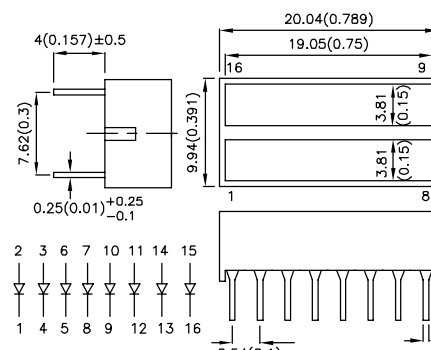
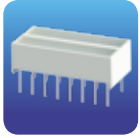
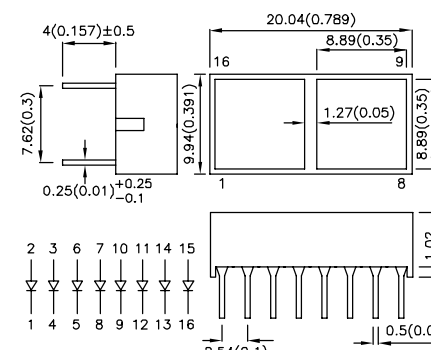
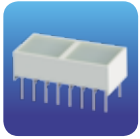
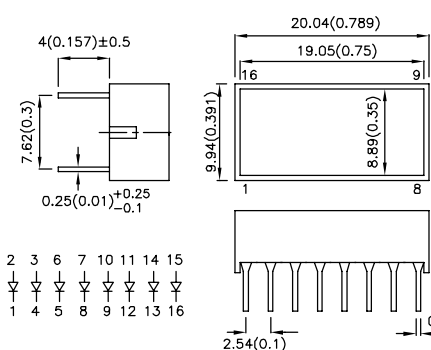

### LIGHT BAR

Part Number	Material	$\lambda_D$ (nm)	Lens Type	Iv (mcd) @20mA		Dimension
				Min.	Typ.	
KB-2300SEKW	AlGaInP	601	white diffused	400	530	<p>8.89mm x 3.81mm Size of Light Emitting Areas</p>  <p>4(0.157)±0.5</p> <p>9.94(0.391)</p> <p>8.89(0.35)</p> <p>4.86(0.191)</p> <p>3.81(0.15)</p> <p>2 4</p> <p>1 3</p> <p>1 2 3 4</p> <p>1.02(0.04)</p> <p>6.12(0.241)</p> <p>0.5(0.02)<sup>+0.25</sup><sub>-0.1</sub></p> <p>2.54(0.1)</p>  <p>KB-2300SEKW</p>
KB-A100SURKW	AlGaInP	630	white diffused	120	230	
KB-2400SYKW	AlGaInP	590	white diffused	200	370	
KB-2500CGKD	AlGaInP	570	green diffused	40	75	
KB-2350SEKW	AlGaInP	601	white diffused	400	700	<p>19.05mm x 3.81mm Size of Light Emitting Areas</p>  <p>4(0.157)±0.5</p> <p>19.05(0.75)</p> <p>3.81(0.15)</p> <p>4.86(0.191)</p> <p>2 4 6 8</p> <p>1 3 5 7</p> <p>1.02(0.04)</p> <p>1 2 3 4 5 6 7 8</p> <p>1.02(0.04)</p> <p>6.1(0.24)</p> <p>0.5(0.02)<sup>+0.25</sup><sub>-0.1</sub></p> <p>2.54(0.1)</p>  <p>KB-2350SEKW</p>
KB-B100SURKW	AlGaInP	630	white diffused	200	370	
KB-2450SYKW	AlGaInP	590	white diffused	400	630	
KB-2550CGKD	AlGaInP	570	green diffused	55	110	
KB-2655SEKW	AlGaInP	601	white diffused	500	910	<p>8.89mm x 8.89mm Size of Light Emitting Areas</p>  <p>4(0.157)±0.5</p> <p>9.94(0.391)</p> <p>8.89(0.35)</p> <p>7.62(0.3)</p> <p>0.25(0.01)<sup>+0.25</sup><sub>-0.1</sub></p> <p>2 3 6 7</p> <p>1 4 5 8</p> <p>1.02(0.04)</p> <p>6.12(0.241)</p> <p>0.5(0.02)<sup>+0.25</sup><sub>-0.1</sub></p> <p>2.54(0.1)</p>  <p>KB-2655SEKW</p>
KB-C100SURKW	AlGaInP	630	white diffused	400	550	
KB-2755SYKW	AlGaInP	590	white diffused	500	810	
KB-2855CGKD	AlGaInP	570	green diffused	80	140	
KB-2600SEKW	AlGaInP	601	white diffused	200	380	<p>8.89mm x 3.81mm Size of Light Emitting Areas</p>  <p>4(0.157)±0.5</p> <p>8.89(0.35)</p> <p>7.62(0.3)</p> <p>0.25(0.01)<sup>+0.25</sup><sub>-0.1</sub></p> <p>2 3 6 7</p> <p>1 4 5 8</p> <p>1.27(0.05)</p> <p>3.81(0.15)</p> <p>1.02(0.04)</p> <p>6.12(0.241)</p> <p>0.5(0.02)<sup>+0.25</sup><sub>-0.1</sub></p> <p>2.54(0.1)</p>  <p>KB-2600SEKW</p>
KB-D100SURKW	AlGaInP	630	white diffused	120	230	
KB-2700SYKW	AlGaInP	590	white diffused	200	370	
KB-2800CGKD	AlGaInP	570	green diffused	55	91	

#### NOTES:

1. All dimensions are in millimeters(inches).
2. Tolerance is ±0.25mm(0.01") unless otherwise noted.

## LIGHT BAR

Part Number	Material	$\lambda_D$ (nm)	Lens Type	Iv (mcd) @20mA		Dimension
				Min.	Typ.	
KB-2620SEKW	AlGaInP	601	white diffused	200	360	8.89mm x 3.81mm Size of Light Emitting Areas   <b>KB-2620SEKW</b>
KB-E100SURKW	AlGaInP	630	white diffused	120	240	
KB-2720SYKW	AlGaInP	590	white diffused	300	400	
KB-2820CGKD	AlGaInP	570	green diffused	20	47	
KB-2635SEKW	AlGaInP	601	white diffused	200	370	3.81mm x 19.05mm Size of Light Emitting Areas   <b>KB-2635SEKW</b>
KB-F100SURKW	AlGaInP	630	white diffused	120	230	
KB-2735SYKW	AlGaInP	590	white diffused	120	250	
KB-2835CGKD	AlGaInP	570	green diffused	20	50	
KB-2670SEKW	AlGaInP	601	white diffused	300	440	8.89mm x 8.89mm Size of Light Emitting Areas   <b>KB-2670SEKW</b>
KB-G100SURKW	AlGaInP	630	white diffused	120	210	
KB-2770SYKW	AlGaInP	590	white diffused	80	180	
KB-2870CGKD	AlGaInP	570	green diffused	20	54	
KB-2685SEKW	AlGaInP	601	white diffused	200	380	8.89mm x 19.05mm Size of Light Emitting Areas   <b>KB-2685SEKW</b>
KB-H100SURKW	AlGaInP	630	white diffused	120	230	
KB-2785SYKW	AlGaInP	590	white diffused	200	360	
KB-2885CGKD	AlGaInP	570	green diffused	40	59	

## NOTES:

1. All dimensions are in millimeters(inches).
2. Tolerance is  $\pm 0.25\text{mm}(0.01")$  unless otherwise noted.