

# Kingbright Catalog

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2005-2006

P 2-3 SINGLE DIGIT NUMERIC DISPLAYS

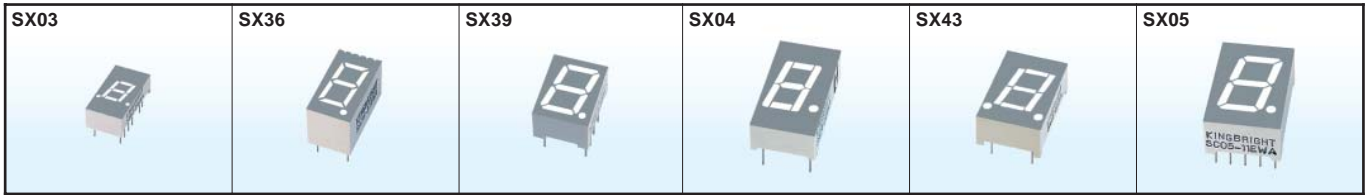
P 3-4 DUAL DIGIT NUMERIC DISPLAYS

P 4 THREE DIGIT NUMERIC DISPLAYS

P 4-5 ALPHANUMERIC DISPLAYS

P 5-6 DOT MATRIX DISPLAYS

P 7-19 PACKAGE DIMENSION



Part No.		Package Description	Material	λ D (nm)	Iv (ucd) @10mA		Package Dimension
Common Anode	Common Cathode				Min.	Typ.	

SA03-11EWA	SC03-12EWA	0.3 inch (7.62mm) Gray Face White Segment	GaAsP/GaP	625	1200	6400	11
SA03-11SRWA	SC03-12SRWA		GaAlAs	640	8000	26000	
SA03-11YWA	SC03-12YWA		GaAsP/GaP	588	800	3000	
SA03-11GWA	SC03-12GWA		GaP	568	1900	8000	

SA36-11EWA	SC36-11EWA	0.36 inch (9.14mm) Gray Face White Segment	GaAsP/GaP	625	480	1900	12
SA36-11SRWA	SC36-11SRWA		GaAlAs	640	1200	6400	
SA36-11YWA	SC36-11YWA		GaAsP/GaP	588	300	1200	
SA36-11GWA	SC36-11GWA		GaP	568	480	1900	

SA39-11EWA SA39-12EWA	SC39-11EWA SC39-12EWA	0.39 inch (9.9mm) Gray Face White Segment	GaAsP/GaP	625	800	4100	13
SA39-11SRWA SA39-12SRWA	SC39-11SRWA SC39-12SRWA		GaAlAs	640	3000	16000	
SA39-11YWA SA39-12YWA	SC39-11YWA SC39-12YWA		GaAsP/GaP	588	800	3000	
SA39-11GWA SA39-12GWA	SC39-11GWA SC39-12GWA		GaP	568	1200	6400	

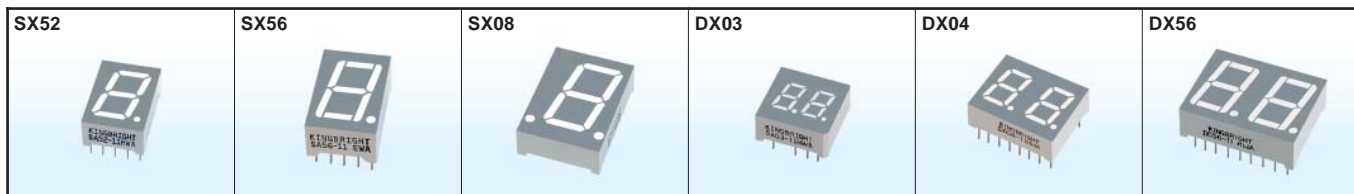
SA04-11EWA SA04-12EWA	SC04-11EWA SC04-12EWA	0.4 inch (10.16mm) Gray Face White Segment	GaAsP/GaP	625	1900	8000	14
SA04-11SRWA SA04-12SRWA	SC04-11SRWA SC04-12SRWA		GaAlAs	640	4700	18000	
SA04-11YWA SA04-12YWA	SC04-11YWA SC04-12YWA		GaAsP/GaP	588	1200	4700	
SA04-11GWA SA04-12GWA	SC04-11GWA SC04-12GWA		GaP	568	3000	12000	

SA43-11EWA SA43-13EWA	SC43-11EWA SC43-13EWA	0.43 inch (10.92mm) Gray Face White Segment	GaAsP/GaP	625	1200	4700	15
SA43-11SRWA SA43-13SRWA	SC43-11SRWA SC43-13SRWA		GaAlAs	640	4700	18000	
SA43-11GWA SA43-13GWA	SC43-11GWA SC43-13GWA		GaP	568	1200	6400	

SA05-11EWA	SC05-11EWA	0.5 inch (12.7mm) Gray Face White Segment	GaAsP/GaP	625	1900	8000	16
SA05-11SRWA	SC05-11SRWA		GaAlAs	640	4700	24000	
SA05-11YWA	SC05-11YWA		GaAsP/GaP	588	1200	4700	
SA05-11GWA	SC05-11GWA		GaP	568	1900	10500	

NOTES:

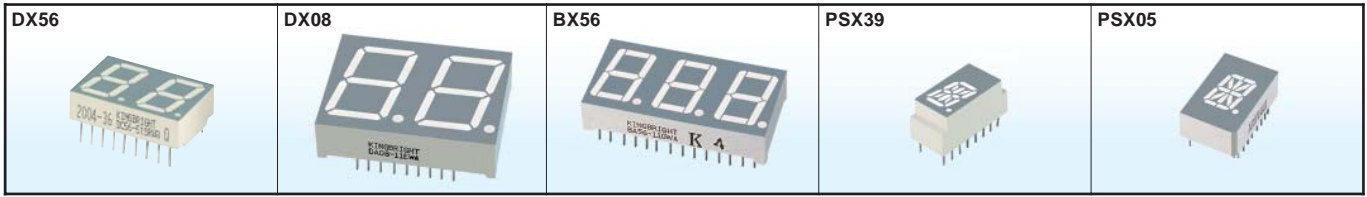
1. All dimensions are in millimeters(inches).
2. Tolerance is ±0.25mm(0.01") unless otherwise noted.



Part No.		Package Description	Material	λ D (nm)	Iv (ucd) @10mA		Package Dimension
Common Anode	Common Cathode				Min.	Typ.	
SA52-11EWA	SC52-11EWA	0.52 inch (13.2mm) Gray Face White Segment	GaAsP/GaP	625	1200	6400	17
SA52-11SRWA	SC52-11SRWA		GaAlAs	640	4700	24000	
SA52-11GWA	SC52-11GWA		GaP	568	1900	10500	
SA56-11EWA SA56-21EWA	SC56-11EWA SC56-21EWA	0.56 inch (14.2mm) Gray Face White Segment	GaAsP/GaP	625	1200	6400	18
SA56-11SRWA SA56-21SRWA	SC56-11SRWA SC56-21SRWA		GaAlAs	640	4700	24000	
SA56-11YWA SA56-21YWA	SC56-11YWA SC56-21YWA		GaAsP/GaP	588	1200	4700	
SA56-11GWA SA56-21GWA	SC56-11GWA SC56-21GWA		GaP	568	1900	10500	
SA56-11PBWA	SC56-11PBWA		InGaN	470	1900	10371	
SA08-11EWA SA08-12EWA SA08-21EWA	SC08-11EWA SC08-12EWA SC08-21EWA	0.8 inch (20.32mm) Gray Face White Segment	GaAsP/GaP	625	1200	6400	19
SA08-11SRWA SA08-12SRWA SA08-21SRWA	SC08-11SRWA SC08-12SRWA SC08-21SRWA		GaAlAs	640	4700	24000	
SA08-11YWA SA08-12YWA SA08-21YWA	SC08-11YWA SC08-12YWA SC08-21YWA		GaAsP/GaP	588	1200	4700	
SA08-11GWA SA08-12GWA SA08-21GWA	SC08-11GWA SC08-12GWA SC08-21GWA		GaP	568	1900	10500	
DA03-11EWA	DC03-11EWA	0.3 inch (7.62mm) Gray Face White Segment	GaAsP/GaP	625	480	1900	20
DA03-11SRWA	DC03-11SRWA		GaAlAs	640	1900	8000	
DA03-11YWA	DC03-11YWA		GaAsP/GaP	588	300	1200	
DA03-11GWA	DC03-11GWA		GaP	568	800	3000	
DA04-11EWA	DC04-11EWA	0.394 inch (10mm) Gray Face White Segment	GaAsP/GaP	625	1200	4700	21
DA04-11SRWA	DC04-11SRWA		GaAlAs	640	4700	18000	
DA04-11YWA	DC04-11YWA		GaAsP/GaP	588	800	3000	
DA04-11GWA	DC04-11GWA		GaP	568	1900	8000	
DA56-11EWA	DC56-11EWA	0.56 inch (14.22mm) Gray Face White Segment	GaAsP/GaP	625	1900	8000	22
DA56-11SRWA	DC56-11SRWA		GaAlAs	640	4700	24000	
DA56-11YWA	DC56-11YWA		GaAsP/GaP	588	1200	4700	
DA56-11GWA	DC56-11GWA		GaP	568	1900	10500	
DA56-11PBWA	DC56-11PBWA		InGaN	470	8000	18000	

NOTES:

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2. Tolerance is ±0.25mm(0.01") unless otherwise noted.

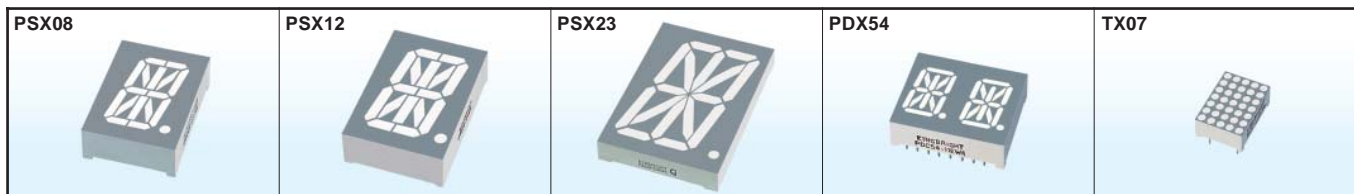


Part No.		Package Description	Material	λ D (nm)	Iv (ucd) @10mA		Package Dimension
Common Anode	Common Cathode				Min.	Typ.	
DA56-51EWA	DC56-51EWA	0.56 inch (14.22mm) Gray Face White Segment	GaAsP/GaP	625	3000	12000	23
DA56-51YWA	DC56-51YWA		GaAsP/GaP	588	1200	5300	
DA56-51GWA	DC56-51GWA		GaP	568	3000	14400	
DA08-11EWA	DC08-11EWA	0.8 inch (20.32mm) Gray Face White Segment	GaAsP/GaP	625	1900	8000	24
DA08-11SRWA	DC08-11SRWA		GaAlAs	640	4700	24000	
DA08-11YWA	DC08-11YWA		GaAsP/GaP	588	1200	4700	
DA08-11GWA	DC08-11GWA		GaP	568	1900	10500	
BA56-11EWA BA56-12EWA BA56-13EWA	BC56-11EWA BC56-12EWA BC56-13EWA	0.56 inch (14.22mm) Gray Face White Segment	GaAsP/GaP	625	1200	6400	25
BA56-11SRWA BA56-12SRWA BA56-13SRWA	BC56-11SRWA BC56-12SRWA BC56-13SRWA		GaAlAs	640	4700	24000	
BA56-11YWA BA56-12YWA BA56-13YWA	BC56-11YWA BC56-12YWA BC56-13YWA		GaAsP/GaP	588	1200	4700	
BA56-11GWA BA56-12GWA BA56-13GWA	BC56-11GWA BC56-12GWA BC56-13GWA		GaP	568	1900	10500	
PSA39-21EWA	PSC39-21EWA	0.39 inch (9.9mm) Gray Face White Segment	GaAsP/GaP	625	1200	3188	26
PSA39-21SRWA	PSC39-21SRWA		GaAlAs	640	3000	13250	
PSA39-21YWA	PSC39-21YWA		GaAsP/GaP	588	480	1278	
PSA39-21GWA	PSC39-21GWA		GaP	568	1200	2679	
PSA05-11EWA PSA05-12EWA	PSC05-11EWA PSC05-12EWA	0.5 inch (12.7mm) Gray Face White Segment	GaAsP/GaP	625	800	4100	27
PSA05-11SRWA PSA05-12SRWA	PSC05-11SRWA PSC05-12SRWA		GaAlAs	640	4700	18000	
PSA05-11YWA PSA05-12YWA	PSC05-11YWA PSC05-12YWA		GaAsP/GaP	588	800	3000	
PSA05-11GWA PSA05-12GWA	PSC05-11GWA PSC05-12GWA		GaP	568	1200	4700	

NOTES:

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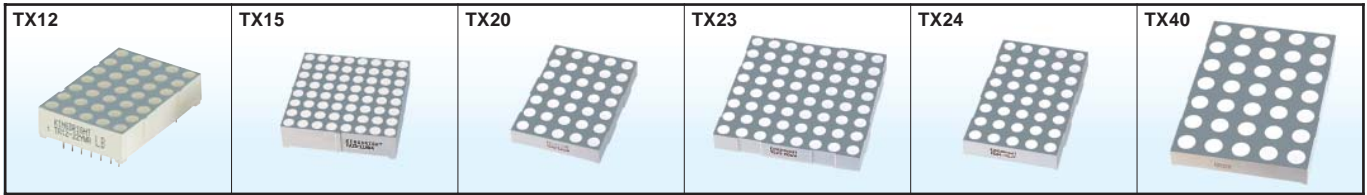




Part No.		Package Description	Material	λ D (nm)	Iv (ucd) @10mA		Package Dimension
Common Anode	Common Cathode				Min.	Typ.	
PSA08-11EWA PSA08-12EWA	PSC08-11EWA PSC08-12EWA	0.8 inch (20.32mm) Gray Face White Segment	GaAsP/GaP	625	1200	4700	28
PSA08-11SRWA PSA08-12SRWA	PSC08-11SRWA PSC08-12SRWA		GaAlAs	640	4700	18000	
PSA08-11YWA PSA08-12YWA	PSC08-11YWA PSC08-12YWA		GaAsP/GaP	588	800	3000	
PSA08-11GWA PSA08-12GWA	PSC08-11GWA PSC08-12GWA		GaP	568	1200	4700	
PSA12-11EWA	PSC12-11EWA	1.2 inch (30.48mm) Gray Face White Segment	GaAsP/GaP	625	3000	12000	29
PSA12-11SRWA	PSC12-11SRWA		GaAlAs	640	8000	26000	
PSA12-11YWA	PSC12-11YWA		GaAsP/GaP	588	1200	4700	
PSA12-11GWA	PSC12-11GWA		GaP	568	3000	12000	
PSA23-11EWA	PSC23-11EWA	2.24 inch (56.8mm) Gray Face White Segment	GaAsP/GaP	625	1900	8000	30
PSA23-11SRWA	PSC23-11SRWA		GaAlAs	640	12000	75000	
PSA23-11YWA	PSC23-11YWA		GaAsP/GaP	588	1900	8000	
PSA23-11GWA	PSC23-11GWA		GaP	568	1900	10500	
PDA54-11EWA PDA54-12EWA	PDC54-11EWA PDC54-12EWA	0.543 inch (13.8mm) Gray Face White Segment	GaAsP/GaP	625	1200	4700	31
PDA54-11SRWA PDA54-12SRWA	PDC54-11SRWA PDC54-12SRWA		GaAlAs	640	4700	18000	
PDA54-11YWA PDA54-12YWA	PDC54-11YWA PDC54-12YWA		GaAsP/GaP	588	800	3000	
PDA54-11GWA PDA54-12GWA	PDC54-11GWA PDC54-12GWA		GaP	568	1900	8000	
TA07-11EWA	TC07-11EWA	0.7 inch (18mm) 5x7 Gray Face White Dot	GaAsP/GaP	625	1900	8000	32
TA07-11SRWA	TC07-11SRWA		GaAlAs	640	4700	24000	
TA07-11YWA	TC07-11YWA		GaAsP/GaP	588	1200	4700	
TA07-11GWA	TC07-11GWA		GaP	568	1900	8000	

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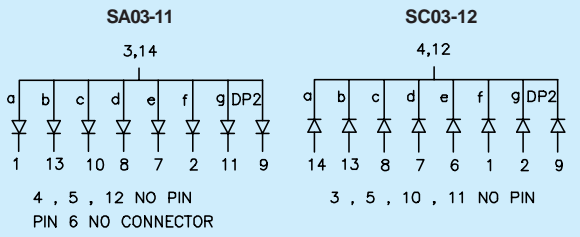
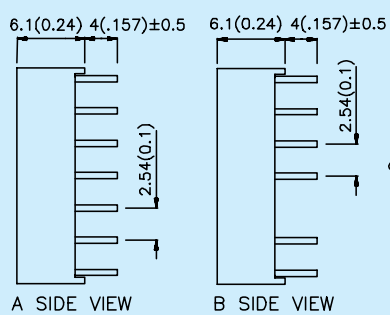
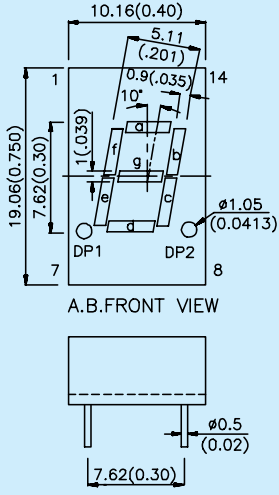
Part No.		Package Description	Material	λ D (nm)	Iv (ucd) @10mA		Package Dimension
Column Anode	Column Cathode				Min.	Typ.	
TA12-11EWA	TC12-11EWA	1.2 inch (30mm) 5x7 Gray Face White Dot	GaAsP/GaP	625	1900	8000	33
TA12-11SRWA	TC12-11SRWA		GaAlAs	640	4700	24000	
TA12-11YWA	TC12-11YWA		GaAsP/GaP	588	1200	4700	
TA12-11GWA	TC12-11GWA		GaP	568	1900	10500	
TA15-11EWA	TC15-11EWA	1.5 inch (38mm) 8x8 Gray Face White Dot	GaAsP/GaP	625	1900	10500	34
TA15-11SRWA	TC15-11SRWA		GaAlAs	640	8000	26000	
TA15-11YWA	TC15-11YWA		GaAsP/GaP	588	1900	8000	
TA15-11GWA	TC15-11GWA		GaP	568	3000	16000	
TBA15-11EGWA	TBC15-11EGWA		GaAsP/GaP	625	1900	10500	
			GaP	568	3000	16000	
TA20-11EWA	TC20-11EWA	2.0 inch (50mm) 5x7 Gray Face White Dot	GaAsP/GaP	625	3000	12000	35
TA20-11SRWA	TC20-11SRWA		GaAlAs	640	8000	26000	
TA20-11GWA	TC20-11GWA		GaP	568	3000	16000	
TA23-11EWA	TC23-11EWA	2.3 inch (58mm) 8x8 Gray Face White Dot	GaAsP/GaP	625	1900	8000	36
TA23-11SRWA	TC23-11SRWA		GaAlAs	640	12000	44000	
TA23-11YWA	TC23-11YWA		GaAsP/GaP	588	1900	8000	
TA23-11GWA	TC23-11GWA		GaP	568	1900	10500	
TBA23-11EGWA	TBC23-11EGWA		GaAsP/GaP	625	1900	8000	
			GaP	568	1900	10500	
TBA23-12EGWA	TBC23-12EGWA		GaAsP/GaP	625	1900	8000	
			GaP	568	1900	10500	
TA24-11EWA	TC24-11EWA	2.4 inch (60.8mm) 5x8 Gray Face White Dot	GaAsP/GaP	625	1900	8000	37
TA24-11SRWA	TC24-11SRWA		GaAlAs	640	8000	26000	
TA24-11YWA	TC24-11YWA		GaAsP/GaP	588	1900	8000	
TA24-11GWA	TC24-11GWA		GaP	568	3000	12000	
TBA24-11EGWA	TBC24-11EGWA		GaAsP/GaP	625	1900	8000	
			GaP	568	3000	12000	
TBA24-22EGWA	TBC24-22EGWA		GaAsP/GaP	625	1900	8000	
			GaP	568	3000	12000	
TA40-11EWA	TC40-11EWA	4.0 inch (100mm) 5x7 Gray Face White Dot	GaAsP/GaP	625	3000	16000	38
TA40-11SRWA	TC40-11SRWA		GaAlAs	640	12000	44000	
TA40-11YWA	TC40-11YWA		GaAsP/GaP	588	1900	8000	
TA40-11GWA	TC40-11GWA		GaP	568	4700	24000	
TBA40-11EGWA	TBC40-11EGWA		GaAsP/GaP	625	3000	16000	
			GaP	568	8000	24000	
TBA40-12EGWA	TBC40-12EGWA		GaAsP/GaP	625	3000	16000	
			GaP	568	4700	24000	

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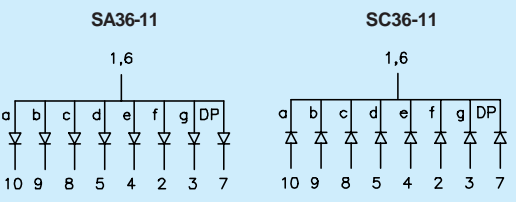
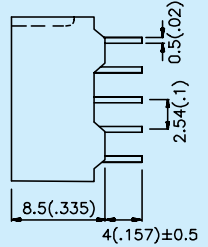
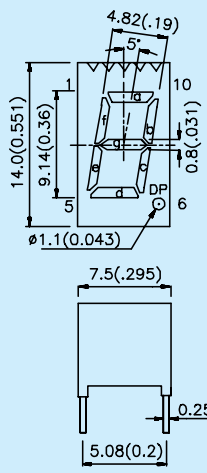
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**SA/SC03 Series**

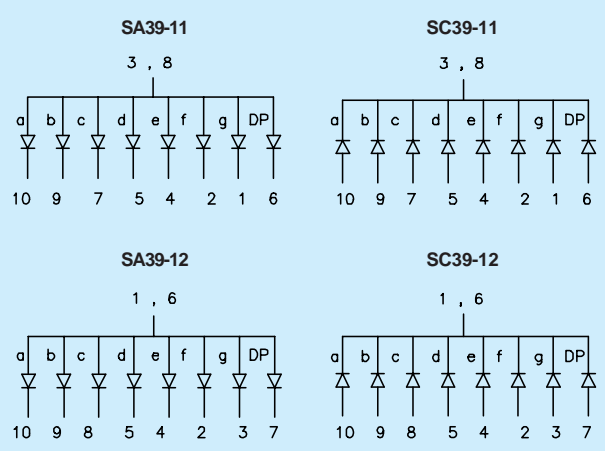
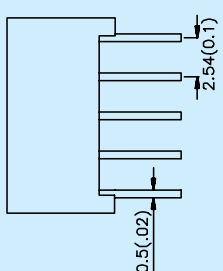
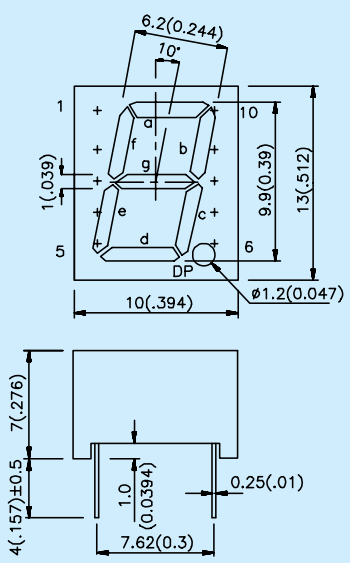
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B: SC03-12



**SA/SC36 Series**



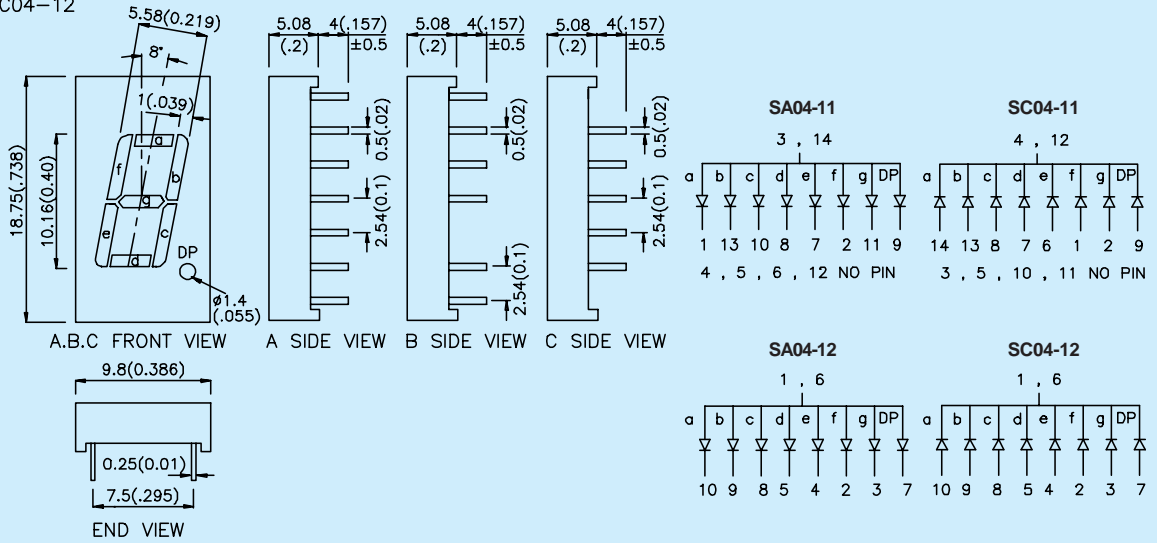
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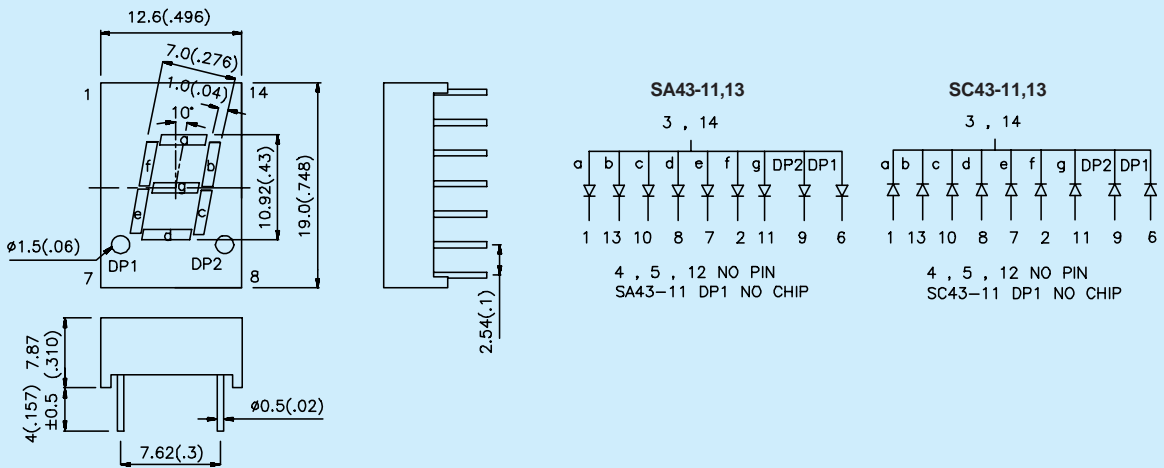
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**SA/SC04 Series**

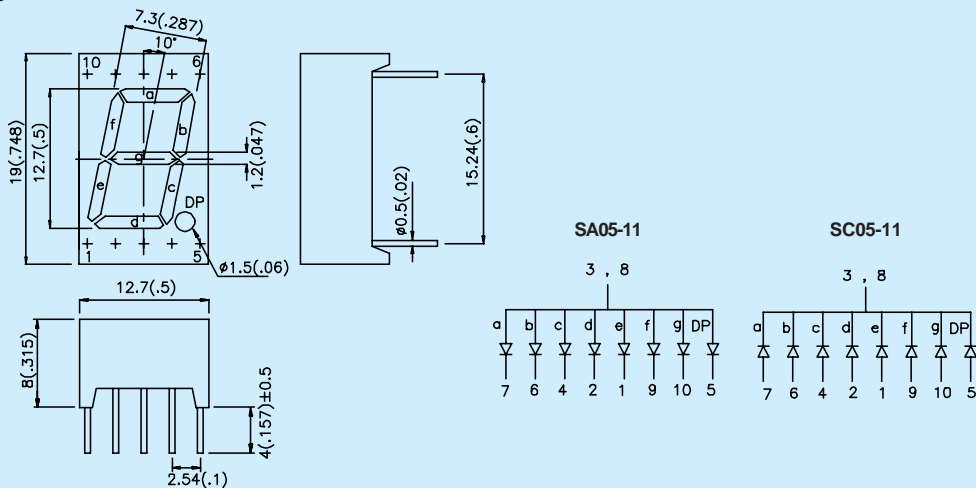
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- B: SC04-11
- C: SA/SC04-12



**SA/SC43 Series**



**SA/SC05 Series**

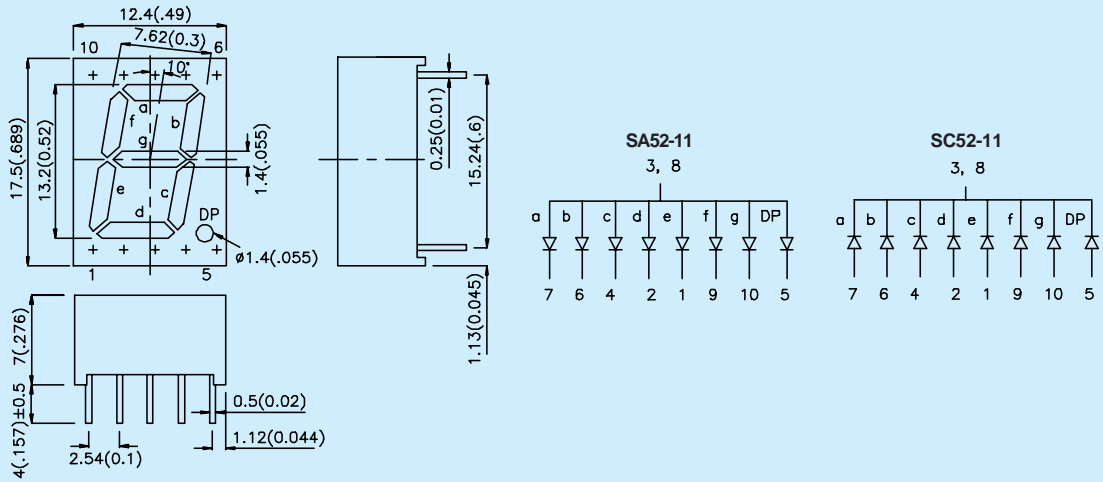


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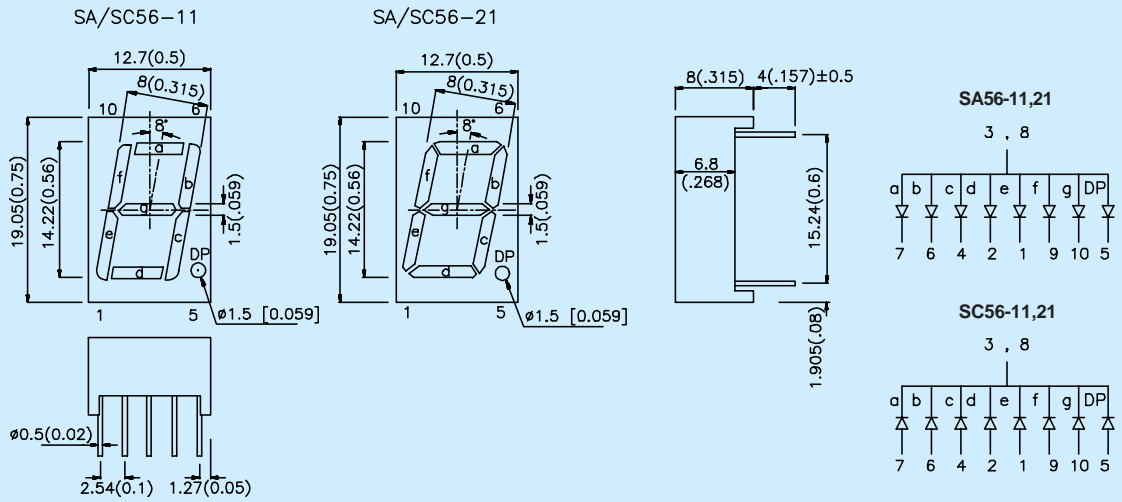
**SA/SC52 Series**

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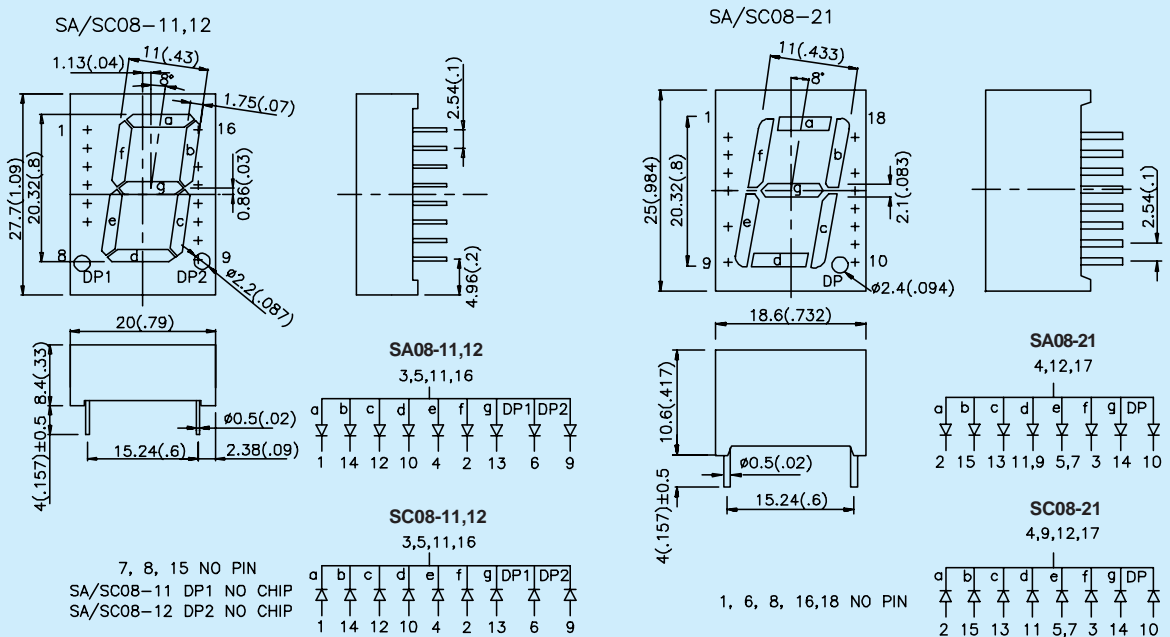
**SA/SC56 Series**

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**SA/SC08 Series**

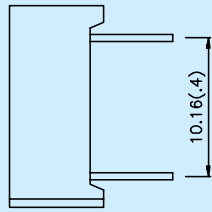
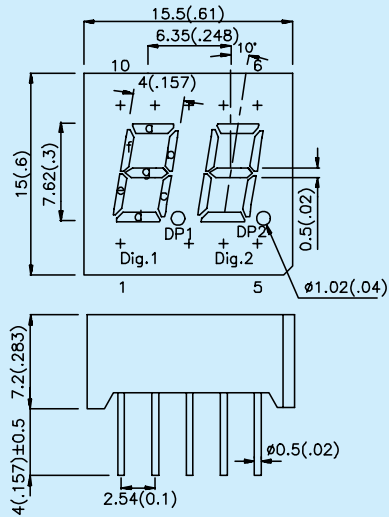
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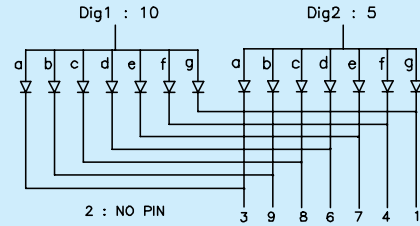
- NOTES:  
 1. All dimensions are in millimeters (inches).  
 2. Tolerance is  $\pm 0.25\text{mm}$  ( $0.01''$ ) unless otherwise noted.

**DA/DC03 Series**

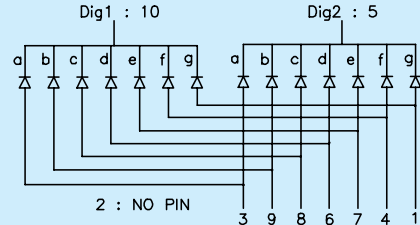
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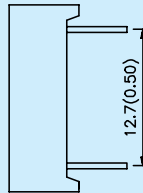
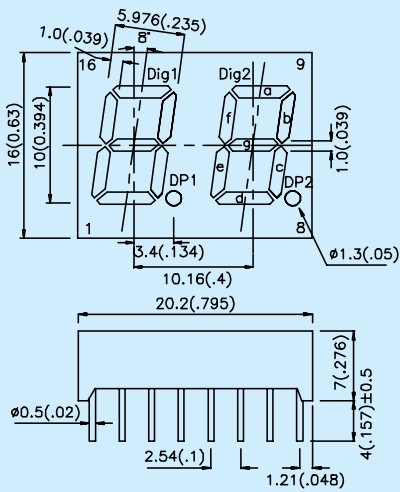


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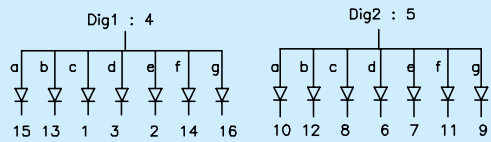


**DA/DC04 Series**

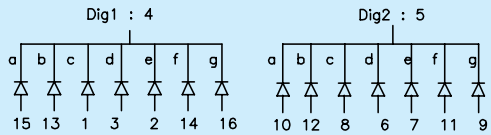
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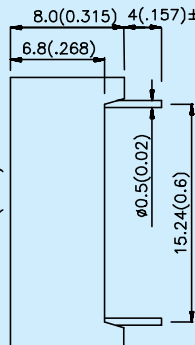
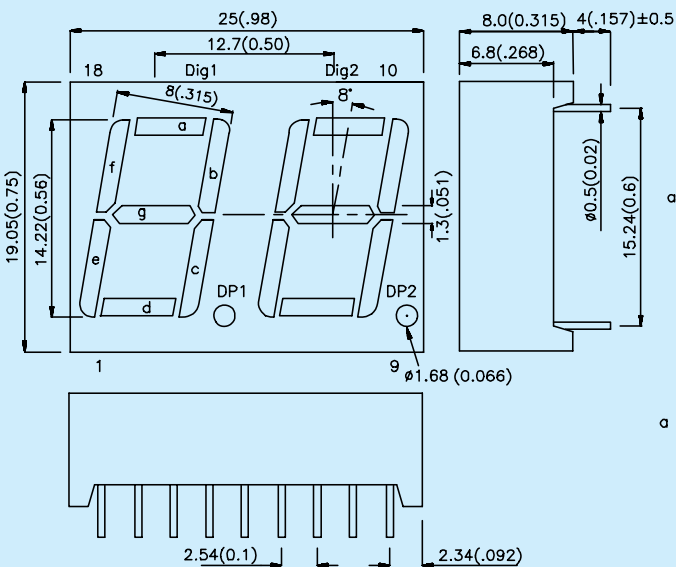


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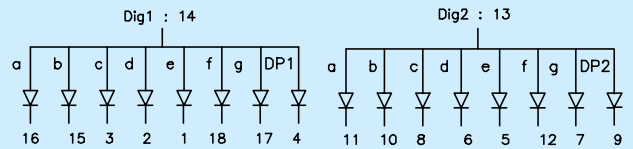


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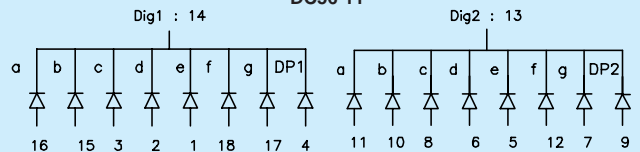
22



**DA56-11**

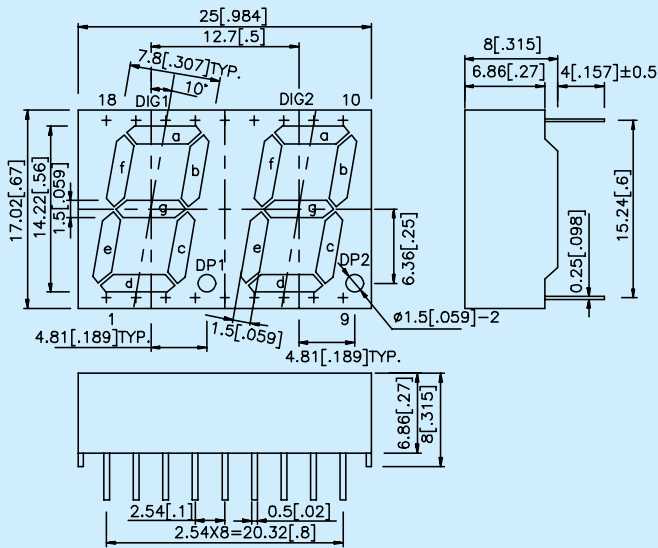


**DC56-11**

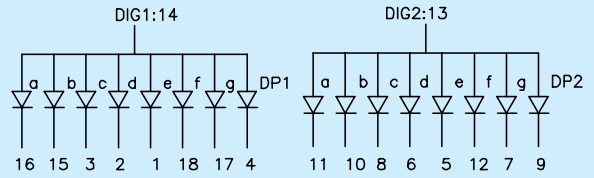


**NOTES:**

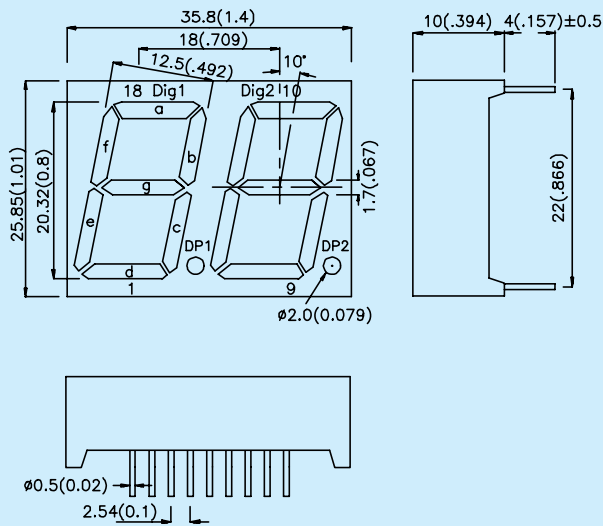
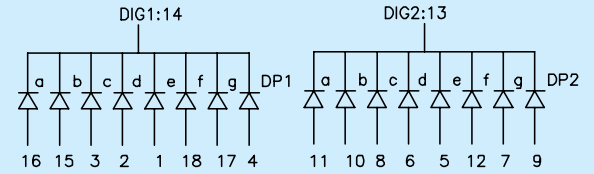
1. All dimensions are in millimeters(inches).
2. Tolerance is ±0.25mm(0.01") unless otherwise noted.



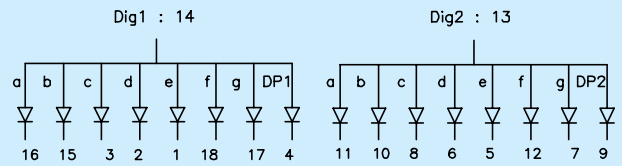
DA56-51



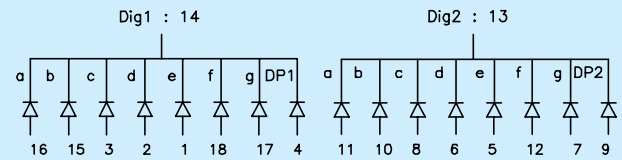
DC56-51



DA08-11



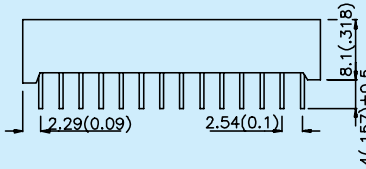
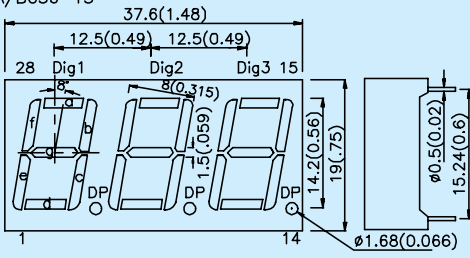
DC08-11



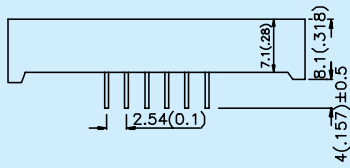
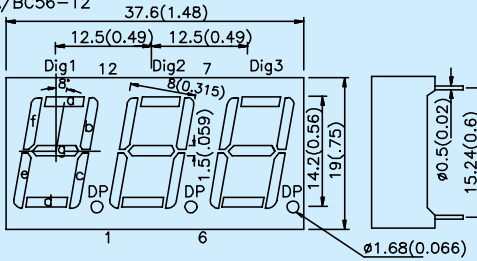
NOTES:

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

BA/BC56-11  
BA/BC56-13

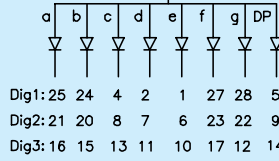


BA/BC56-12



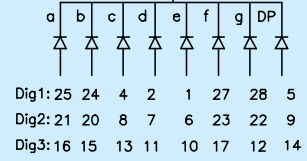
BA56-11

Dig1: 3,26  
Dig2: 19  
Dig3: 18



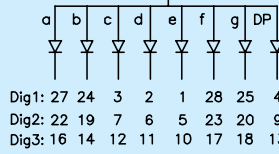
BC56-11

Dig1: 3,26  
Dig2: 19  
Dig3: 18



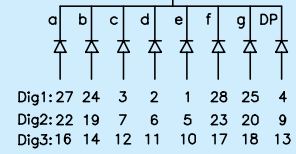
BA56-13

Dig1: 26  
Dig2: 8,21  
Dig3: 15



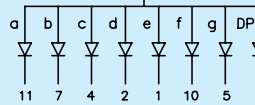
BC56-13

Dig1: 26  
Dig2: 8,21  
Dig3: 15



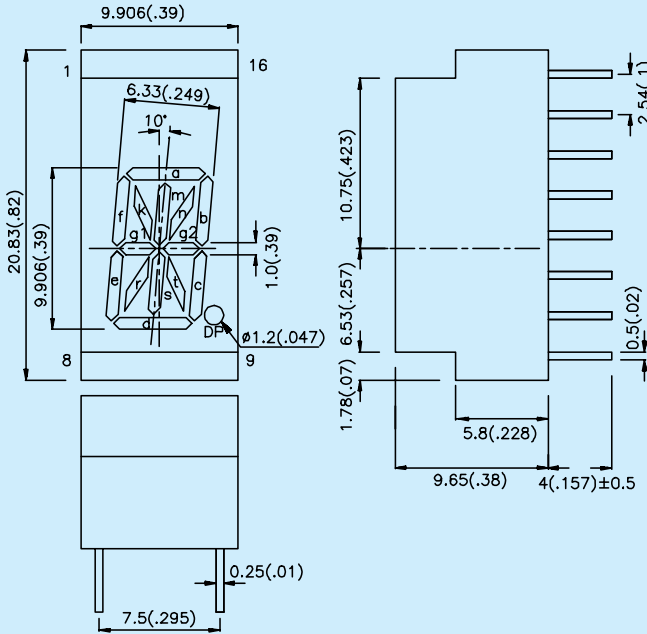
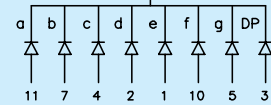
BA56-12

Dig1: 12  
Dig2: 9  
Dig3: 8

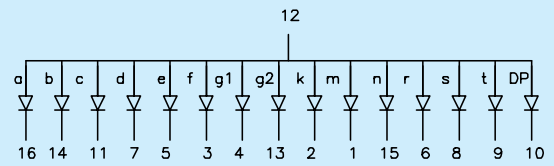


BC56-12

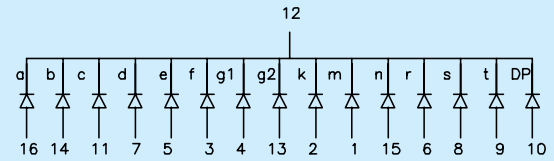
Dig1: 12  
Dig2: 9  
Dig3: 8



PSA39-21



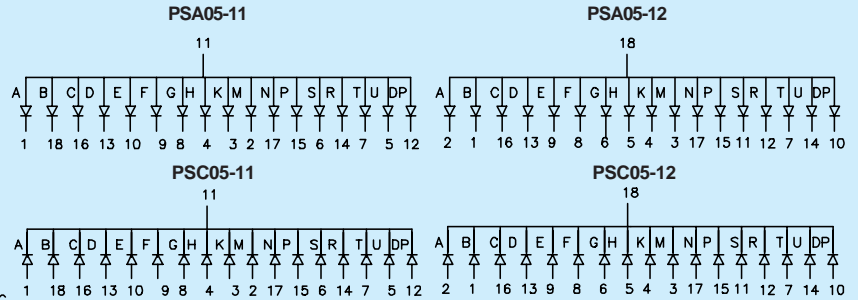
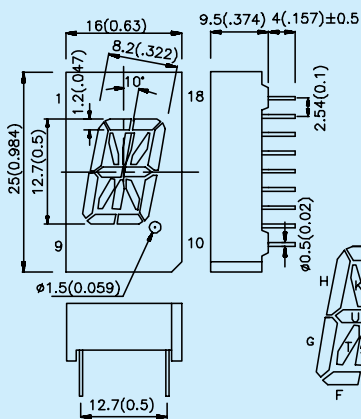
PSC39-21



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

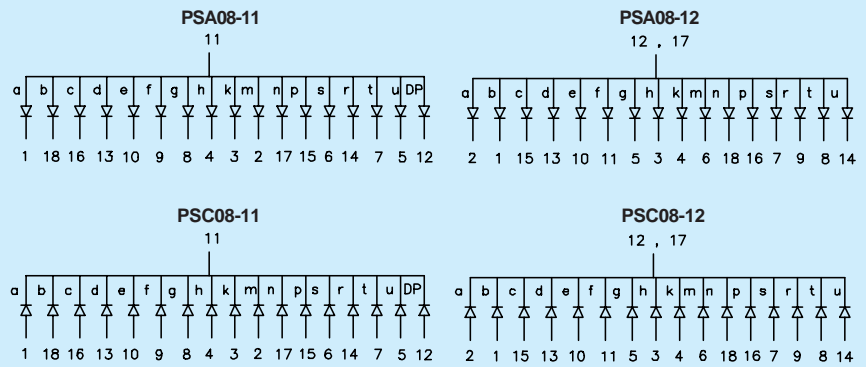
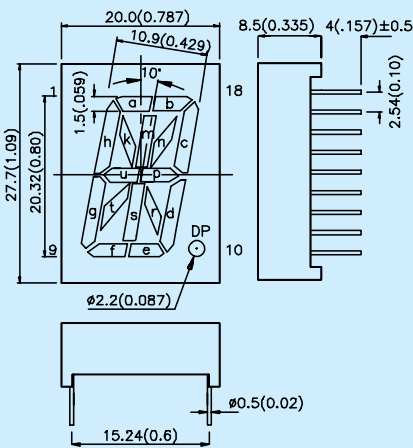
PSA/PSC05 Series

27



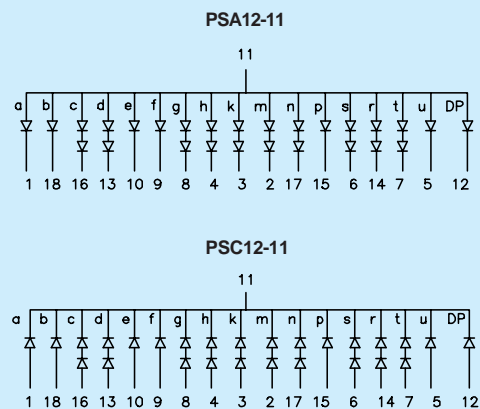
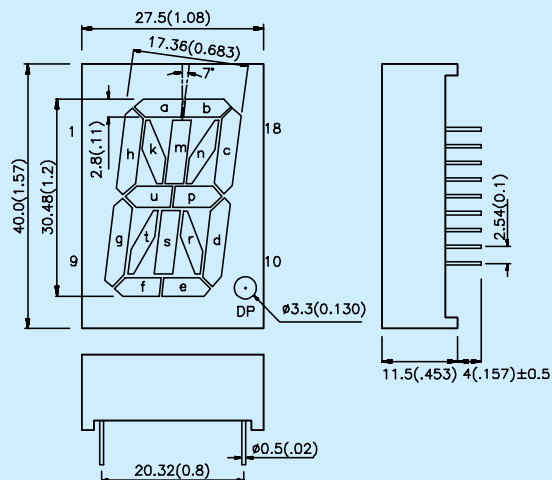
PSA/PSC08 Series

28



PSA/PSC12 Series

29

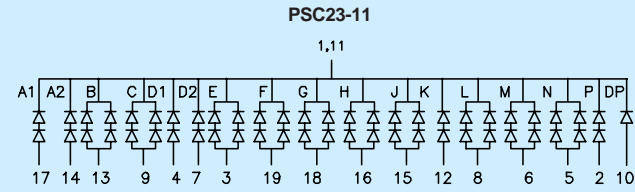
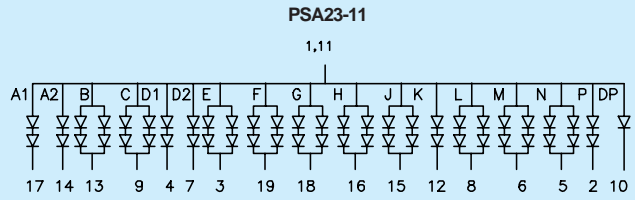
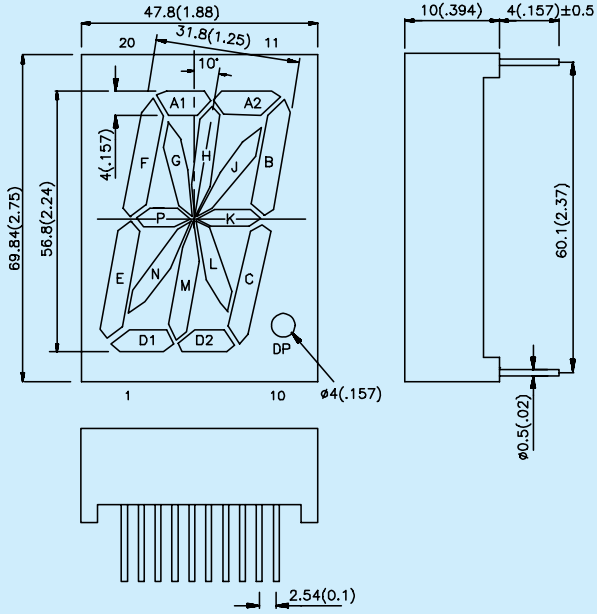


NOTES:  
 1. All dimensions are in millimeters(inches).  
 2. Tolerance is ±0.25mm(0.01") unless otherwise noted.



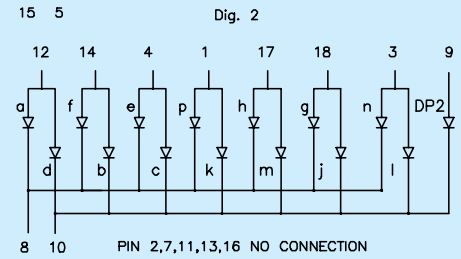
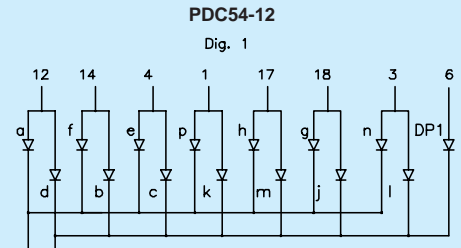
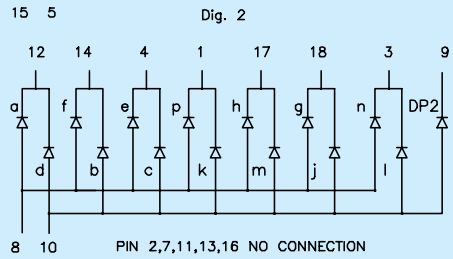
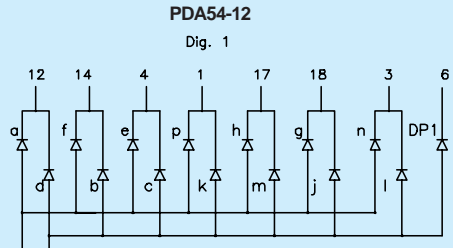
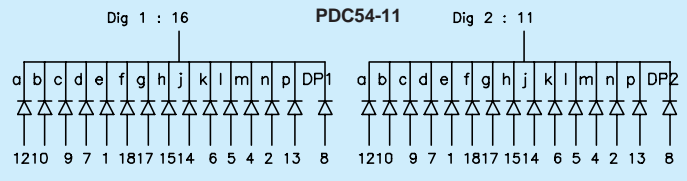
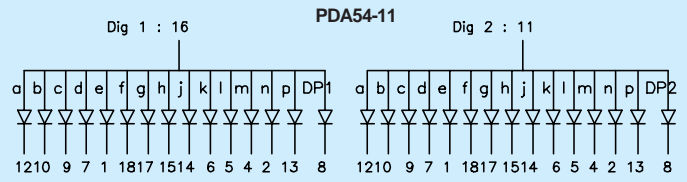
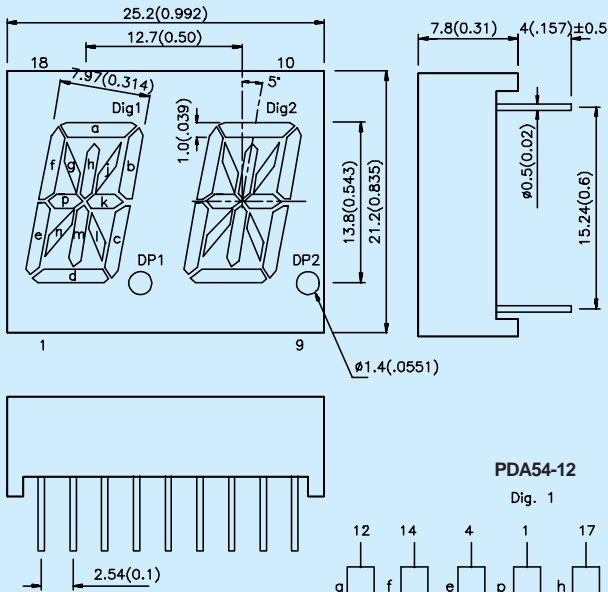
PSA/PSC23 Series

30

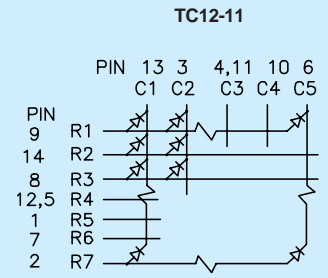
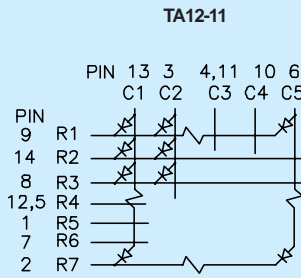
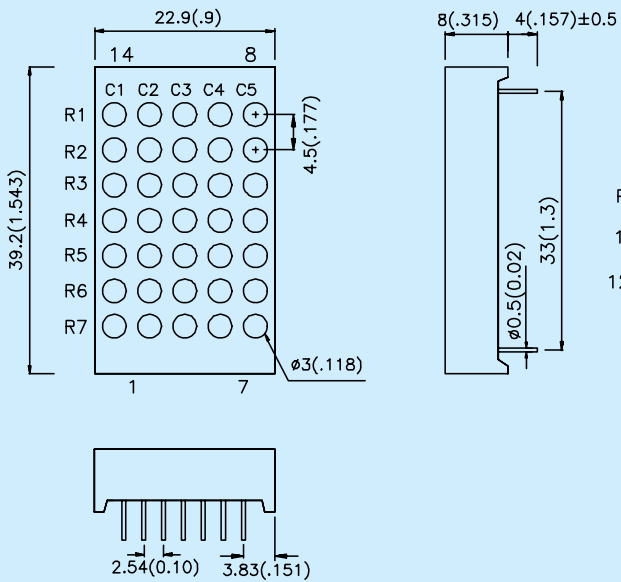
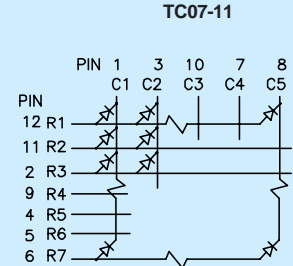
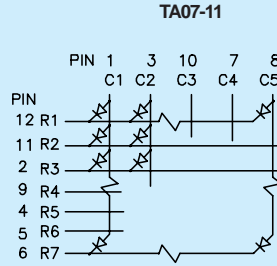
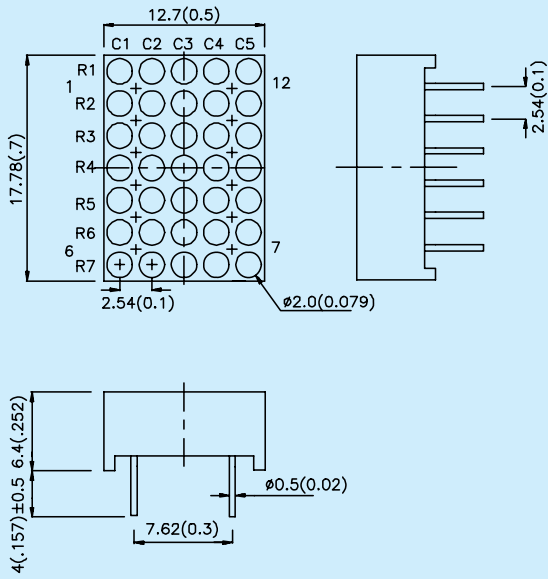


PDA/PDC54 Series

31

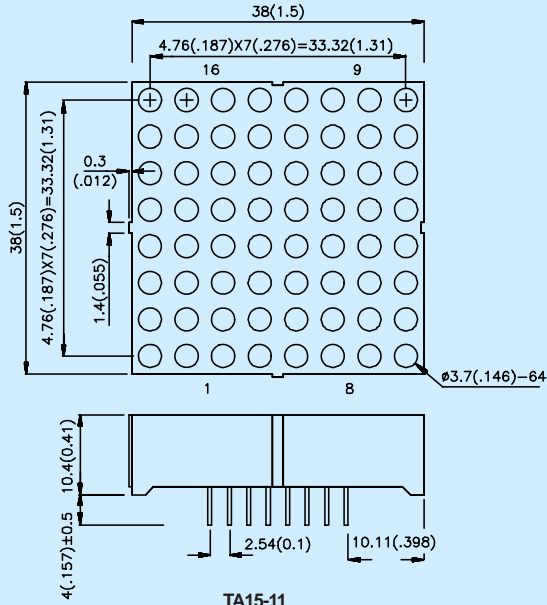


- NOTES:  
 1. All dimensions are in millimeters(inches).  
 2. Tolerance is ±0.25mm(0.01") unless otherwise noted.

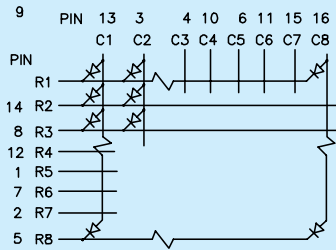


NOTES:  
 1. All dimensions are in millimeters(inches).  
 2. Tolerance is ±0.25mm(0.01") unless otherwise noted.

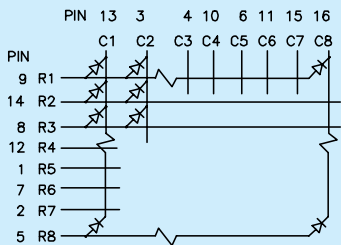
TA/TC15-11



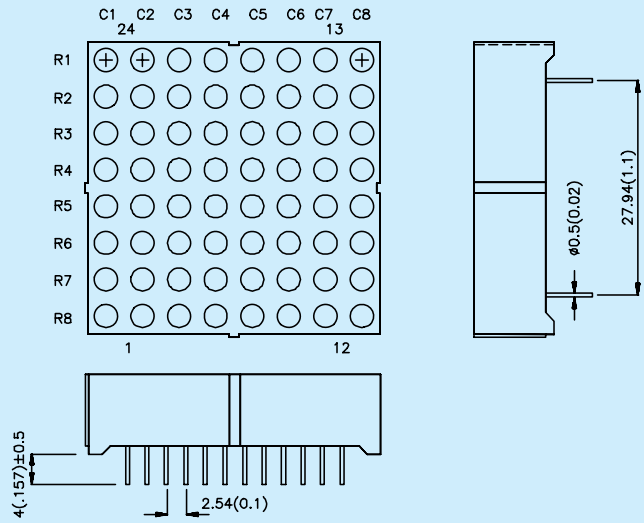
TA15-11



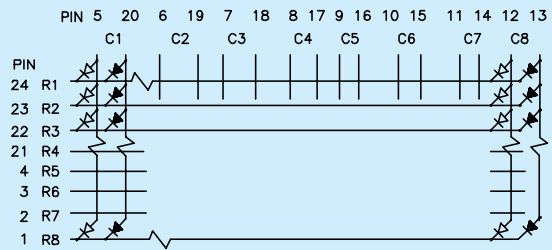
TC15-11



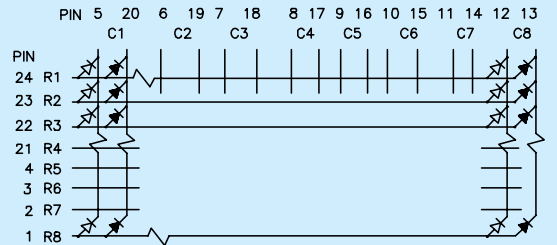
TBA/TBC15-11



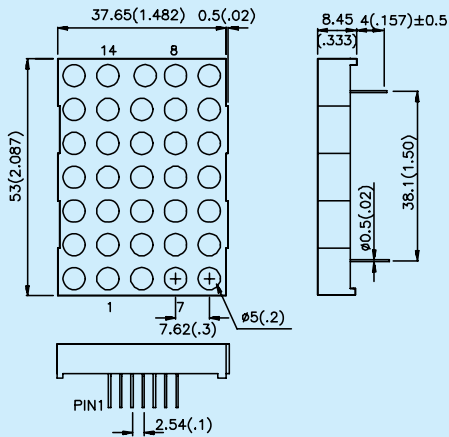
TBA15-11



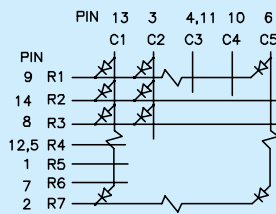
TBC15-11



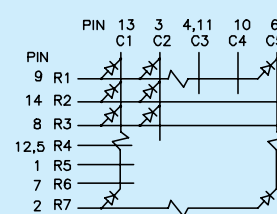
GREEN  
RED



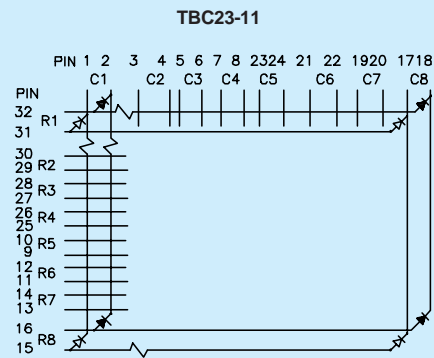
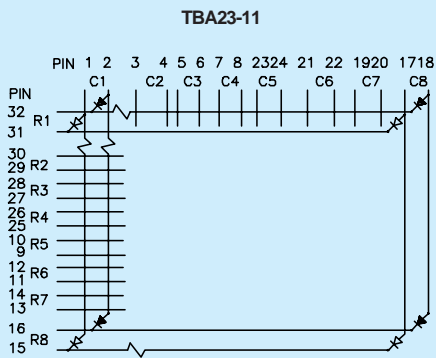
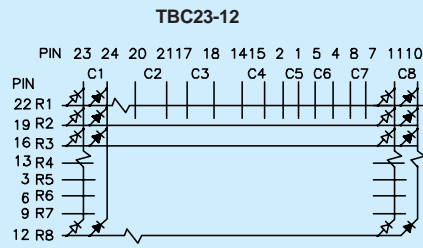
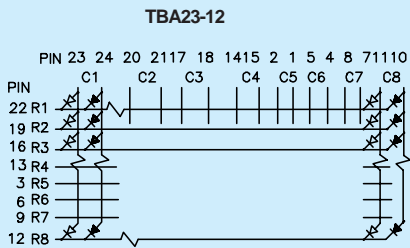
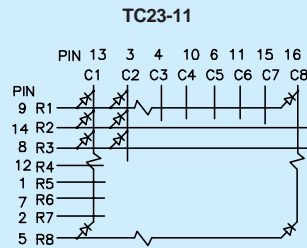
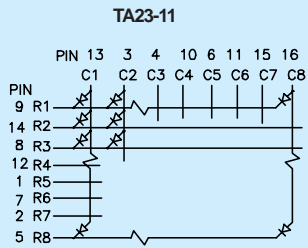
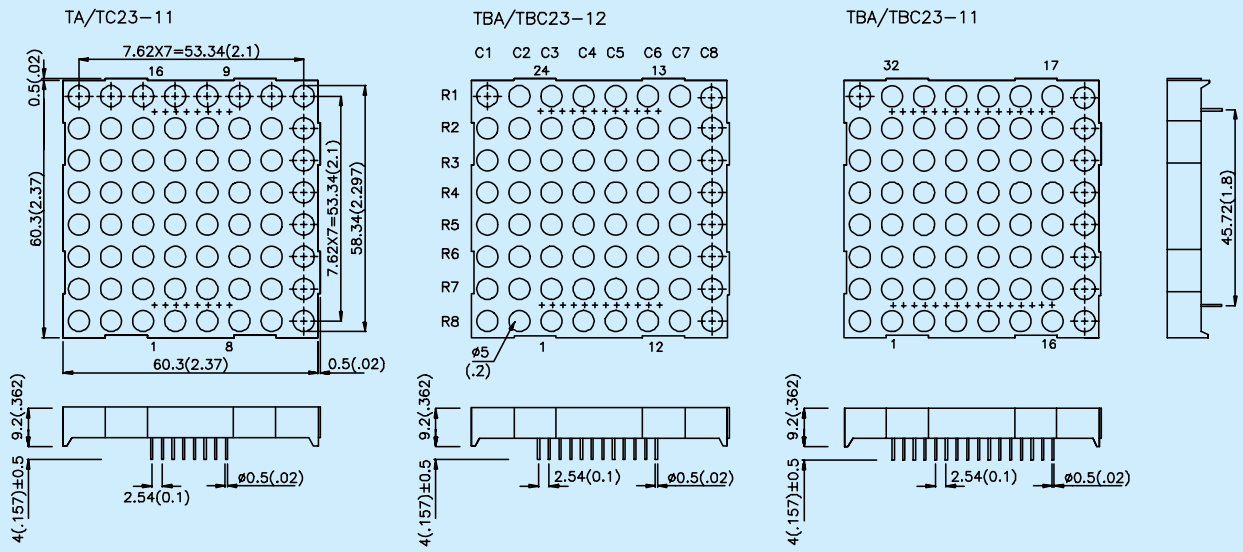
TA20-11



TC20-11

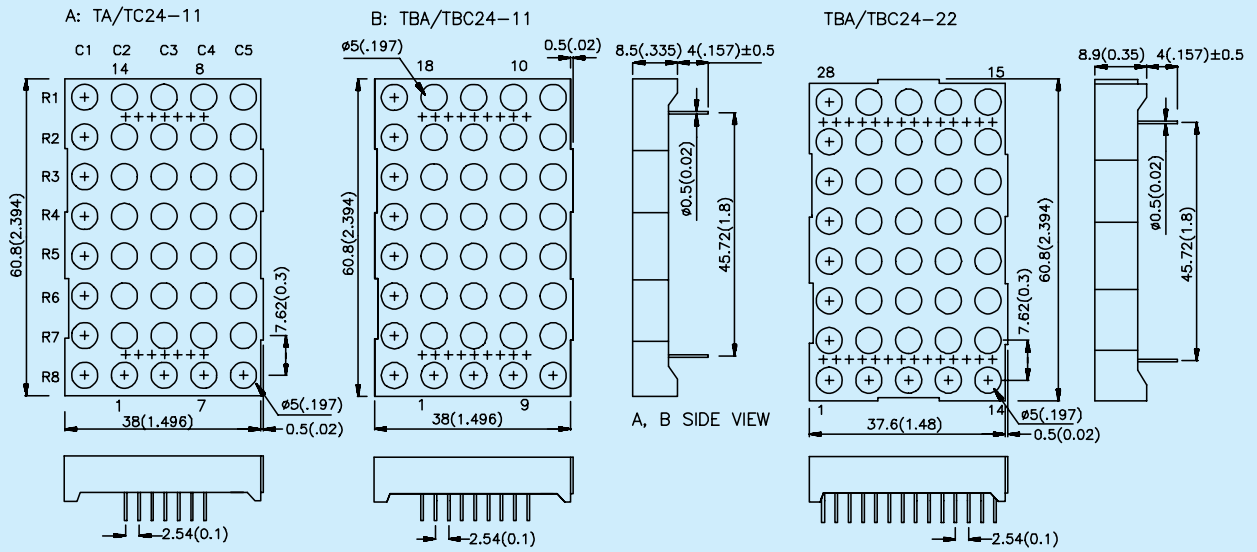


NOTES:  
1. All dimensions are in millimeters(inches).  
2. Tolerance is ±0.25mm(0.01") unless otherwise noted.

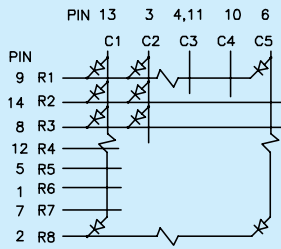


✕ GREEN  
✕ RED

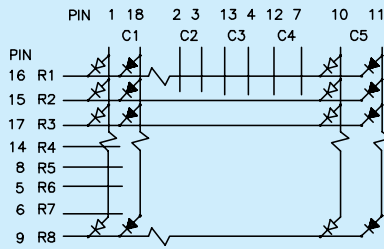
NOTES:  
1. All dimensions are in millimeters(inches).  
2. Tolerance is  $\pm 0.25\text{mm}(0.01")$  unless otherwise noted.



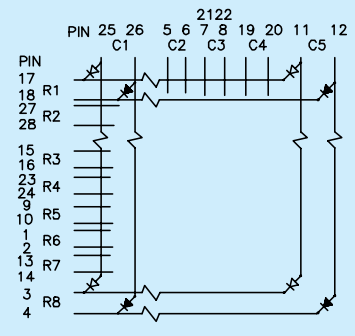
TA24-11



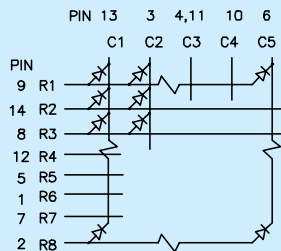
TBA24-11



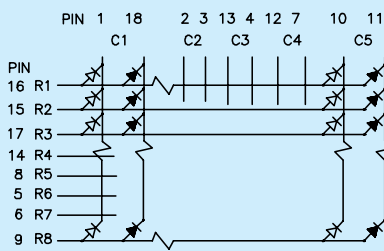
TBA24-22



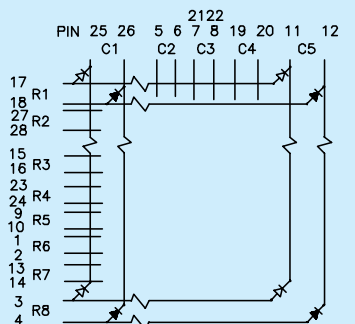
TC24-11



TBC24-11

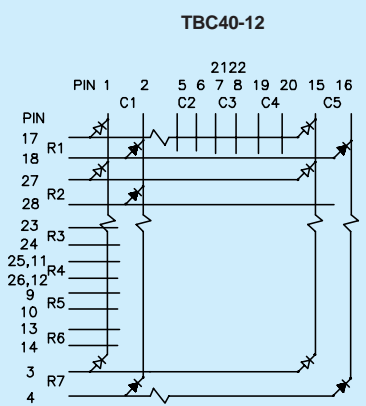
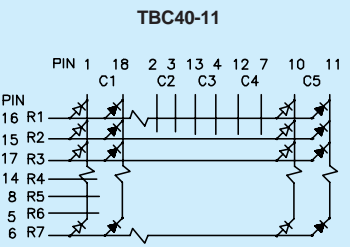
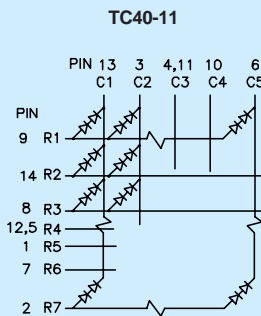
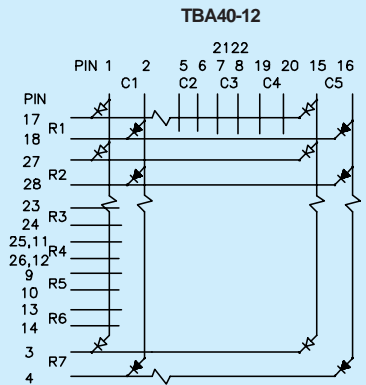
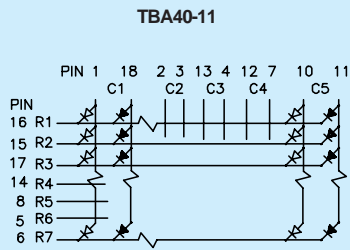
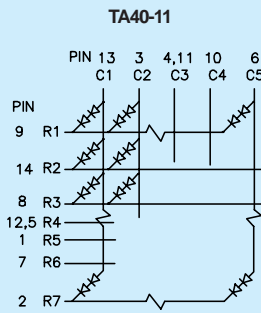
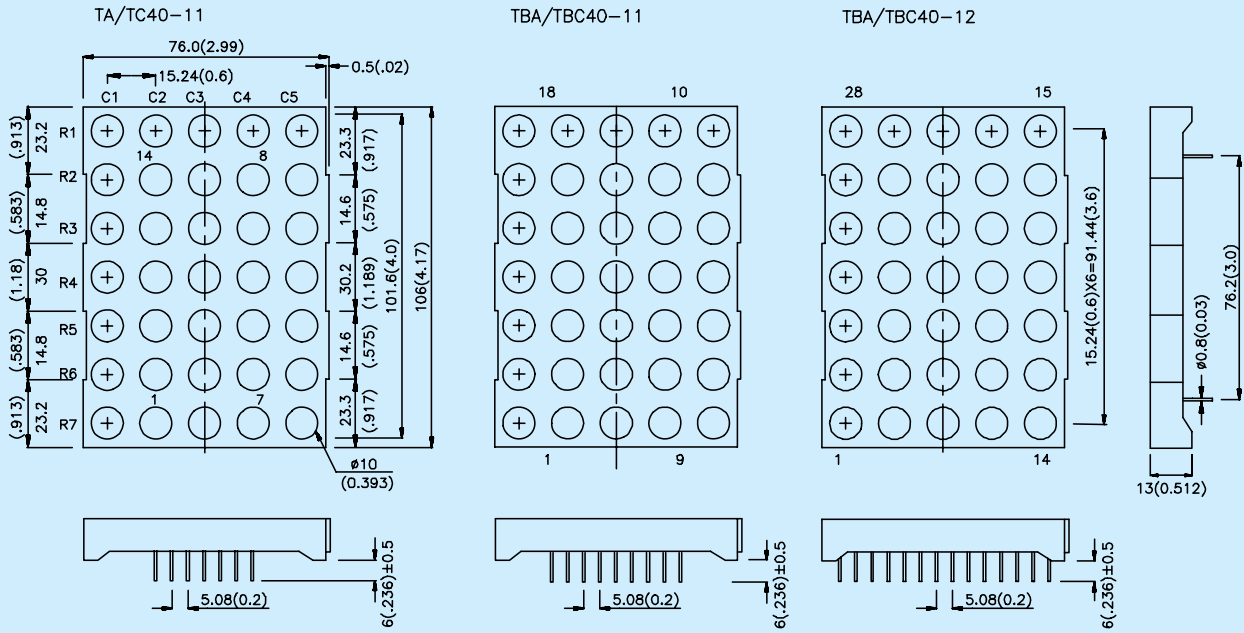


TBC24-22



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





✱ FOR 2 RED CHIPS

✱ FOR 2 GREEN CHIPS

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