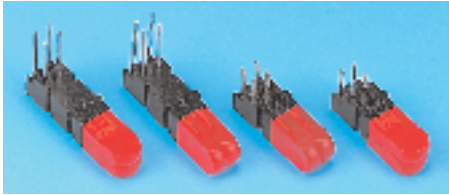


PCB Mounting LEDs — Continued

Bargraph Arrays - 2 Way Tombstone LED **MENTOR**[®] Modules



Lower Tier - Level 1 H = 5.08 W = 5.08 L = 11.3
Upper Tier - Level 2 H = 5.08 W = 5.08 L = 19 Rear Lead is Anode
Pitch: 2.54mm

Bargraph arrays provide significant assembly time savings compared with mounting individual LEDs on a PCB. They also ensure correct alignment of a line of LEDs, as well as accurate colour matching. The following innovative products from Mentor are modular bargraph systems, which allow designers infinite flexibility with none of the tooling costs normally associated with "specials".

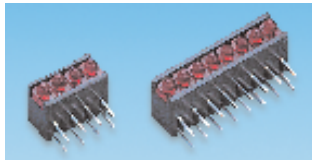
Each module contains a dual LED, and is available in either horizontal or vertical format, and for upper (level 2) or lower (level1) tiers. The "tombstone" style modules are designed to stack closely and to protrude from the front panel.

Colour	View Angle	mcd	V _f @ 20mA	I _{max}
Red	35	1	2.1	25
Yellow	35	2.2	2	30
Green	35	2.5	2	25

OPT695

Colour	Mfrs. List No.	Order Code	Price Each				
			1+	25+	100+	250+	500+
Lower Level, Tier 1 - Horizontal							
Red	1803.2232	324-4970					
Yellow	1803.7732	324-4982					
Green	1803.8832	324-4994					
Lower Level, Tier 1 - Vertical							
Red	1802.2232	324-5007					
Yellow	1802.7732	324-5019					
Green	1802.8832	324-5020					
Upper Level, Tier 2 - Horizontal							
Red	1803.2231	324-5032					
Yellow	1803.7731	324-5044					
Green	1803.8831	324-5056					
Upper Level, Tier 2 - Vertical							
Red	1802.2231	324-5068					
Yellow	1802.7731	324-5070					
Green	1802.8831	324-5081					

2mm
4, 8 & 10 LED Arrays



H = 5.08, W = 10.16 (4) 20.32 (8) 25.4 (10), D = 7.5 (body)
Lead pitch = 2.54, Row spacing = 2.54, Leads = 3.3 0.5sq
Rear pins are anode.

Colour	View Angle	Lum Intensity (mcd) @ I _f = 10mA		I _f (mA) max.	PIV (max)	Mfrs. List No.	Order Code
		min.	max.				
Red 4	20°	1.0	3.2	50	6	RTZ2041R	623-179
Red 8	20°	1.0	3.2	50	6	RTZ2081R	623-180
Red 10	20°	1.0	3.2	50	6	RTZ2101R	623-192

OPT374

Colour	Order Code	Price Each				
		1+	10+	25+	50+	100+
Red 4	623-179					
Red 8	623-180					
Red 10	623-192					

3mm/T1
Tri Level



Viewed from front, pins downward, anode is right hand pin

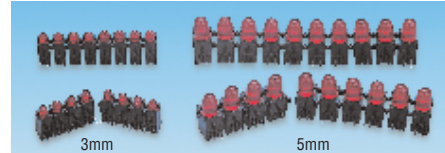
Tri Level
H = 12, W = 5.08, D (body) = 12.5
LED pitch = 3.87
Lead pitch = 2.54 2.54, Leads = 3.2 0.5sq

Colour	View Angle	Lum. Intensity (mcd) @ I _f = 10mA		I _f (mA) (max.)	PIV (max.)	Mfrs. List No.	Order Code
		min.	max.				
Tinted Diffused Lens							
Tri Level							
Red/Yellow/Green	60°	2/5/5	5/12.5/12.5	25/30/25	5	1882.2781	621-808
Red 3	60°	2	5	25	5	1882.2221	621-810

OPT339

Colour	Order Code	Price Each				
		1+	25+	100+	250+	500+
Red/Yellow/Green	621-808					
Red 3	621-810					

3mm/T1 and 5mm/T1¼



H = 5.0, W = 39.56, D = 10.0 (body)
Lead pitch = 2.54, Leads = 3.2 0.5sq
LED pitch = 5.08
H = 7.6, W = 74.58, D = 10.0 (body)
Lead pitch = 2.54, Leads = 3.2 0.5sq
LED pitch = 7.62

High quality LEDs that may be mounted in their original format, 3mm 8 and 5mm 10, or snapped to fit any length.

Colour	View Angle	Lum Intensity (mcd) @ I _f = 10mA		I _f (mA) max.	PIV (max)	Mfrs. List No.	Order Code
		min.	max.				
Tinted Diffused Lens							
3mm Red	60°	2	5	25	5	2632.8320	623-209
5mm Red	60°	3.2	8	25	5	2633.1320	623-210

OPT375

Colour	Order Code	Price Each				
		1+	5+	10+	25+	50+
3mm Red	623-209					
5mm Red	623-210					

3mm/T1, Bi-level



H = 14.1, W = 5.1, D = 8.9 (body) 3.0 (LED)
Pin spacing = 2.3, Row spacing = 2.54, Leads = 3.2 0.5 0.4
Viewed from front, pins downward, anode is left pin.

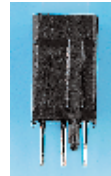
Colour	View Angle	Lum Intensity (mcd) @ I _f = 10mA		I _f (mA) max.	PIV (max)	Mfrs. List No.	Order Code
		min.	typ.				
Red	35°	0.4	1.5	20	4	2810.2231	623-155

OPT376

Colour	Order Code	Price Each				
		1+	25+	50+	100+	250+
Red	623-155					

1.8mm 5.3mm Rectangular Tri-Colour LED,
Press-In Mount, Vertical

CML



H = 18.5 (incl. LED), W = 7.6, D = 6.1
Lead spacing 2.54, Leads = 3.3 0.5 0.5
Common anode centre pin

Colour	Lum. Intensity (mcd) @ I _f = 20mA	I _f (max)	V _f (typ)	PIV (max)	Peak Wavelength (nm)	Mfrs. List No.	Order Code

OPT658

Colour	Order Code	Price Each				
		1+	50+	100+	250+	500+
Red/Green	313-7636					