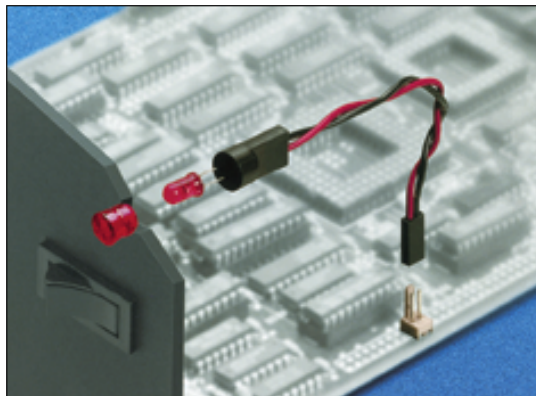


PRE-WIRED SOLDERLESS LED INTERCONNECT



U.S. & Foreign Pat. Pend.

SPECIFICATIONS

MATERIAL: Panel Connector Socket & Ring - Thermoplastic.
Header Connector - Thermoplastic (UL listed materials)
Terminals - Phosphor bronze, tin plated.
Wire - 22 AWG, 7 strand copper, insulated.

ELECTRICAL: Terminal - 3 amp continuous service.
Unique three-finger design mates to round, square or rectangular leads .017" to .025".

MOUNTING: Panel Connector 3mm - Mates with SMC 130 & 170.
Panel Connector 5mm - Mates with CMC 285, 313, 321, 323, CMS 322, CML 325 and 327. See data sheets pages 4, 5 & 6.
Panel Thickness: - See page 11
All holes deburred but not chamfered.
LED lead trimming - See page 11.
Hole Size - SMC series 11/64" (4.37mm).
CMC, CMS & CML series 9/32" (7.14mm).
Header Connector - Mates with VCC positive locking header 450 series. Also mates with standard and friction header .025" pins on .100" centers.

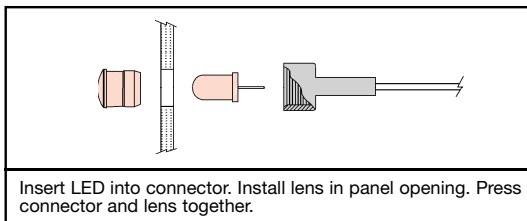
CONXRITE - This modular cabling assembly is designed for use in the electrical connection of panel mounted LEDs to printed circuit boards. This plug-in system eliminates many of the problems associated with wiring display panel mounted LEDs.

APPLICATIONS - Designed to make quick and easy plug-in connections between panel mounted LEDs and the PCB. The modular concept of panel and header housings along with different wire lengths offer a cost reducing solution to cabling problems.

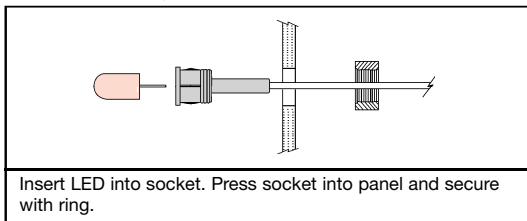
VERSATILITY - Multiple panel mounted LED devices can be connected to PCB mounted headers. A uniquely designed three finger box terminal mates with leads .017" in diameter to .025" square. Cables are available in four, six, eight, twelve, eighteen and twenty four inch lengths.

INSTALLATION - Modular cabling systems simplify the electrical connection from panel to PCB and eliminate the need for assembly tools. Cost savings from the discontinuing of soldering and terminal crimping operations are substantial. When properly installed the assembly is able to withstand up to 6g's at 2000hz.

PANEL MOUNT LENS & CONNECTOR



PANEL SOCKET, FRONT RELAMPABLE

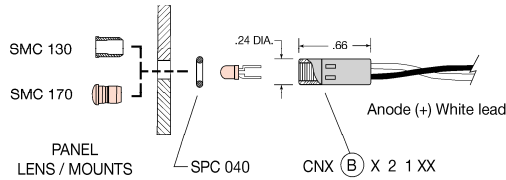


RECOMMENDED LEDs

3mm Bi-Lead Use "B" Connector	5mm Bi-Lead Use "C" Connector	5mm Tri-Lead Use "D" Connector	5mm Flangeless Use "K" Connector

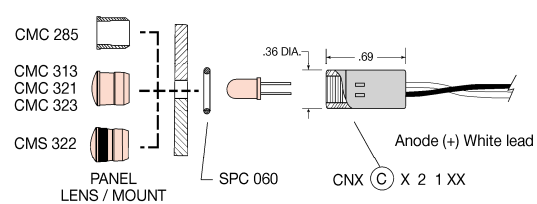
STANDARD INTERCONNECTS FOR 3mm & 5mm LEDs

450 120 3mm Bi-LEAD ("B" CONNECTOR)



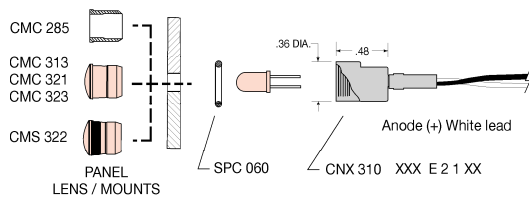
LED lead length: SMC 130 = .380" * SMC 170 = .320"
Panel thickness: .030" - .050" use 1ea. SPC 040 spacer
.055" - .075" SPC 040 not required

450 220 5mm Bi-LEAD ("C" CONNECTOR)



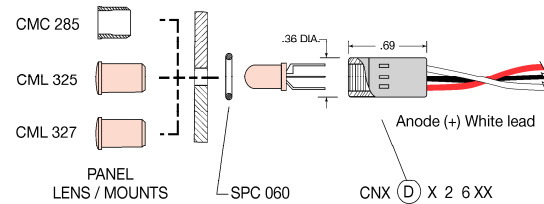
LED lead length: CMC 285 = .350" ±.01 * CMC 313, CMC 321, CMC 323,
CMS 322 = .250" ±.01
Panel thickness: .030" - .045" use 2ea. SPC 060 spacers, .050" - .100" use
1ea. SPC 060 spacer, .105" - .125" SPC 060 not required

CNX 310 SERIES 5mm BI-LEAD (W/RESISTOR)



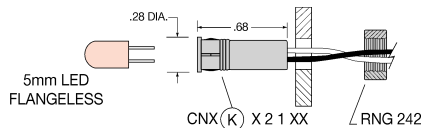
SEE PAGE 14 FOR AVAILABLE RESISTOR VALUES
LED lead length: CMC 285 = .320" ±.01 * CMC 313, CMC 321, CMC 323,
CMS 322 = .220" ±.01
Panel thickness: .030" - .045" use 2ea. SPC 060 spacers, .050" - .100" use
1ea. SPC 060 spacer, .105" - .125" SPC 060 not required

450 230 5mm TRI-LEAD ("D" CONNECTOR)



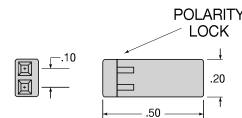
LED lead length: CMC 285 = .350" ±.01
CML 325, CML 327 = .275" ±.01
Panel thickness: CMC 285, CML 325 = .045" use 2ea. SPC 060, .050" - .100" use
1ea. SPC 060, .105" - .125" SPC not required.
CML 325, CML 327 = .060" - .100" use 2ea. SPC 060 spacers,
.105" - .175" use 1ea. SPC 060, .150" - .220" SPC not required.

450 470 5mm FLANGELESS ("K" CONNECTOR)



LED lead length: 5mm flangeless LED .250"
Panel thickness: .030" - .250"
Use RNG 242 retaining ring when additional security is
required.

450 XXX SERIES PLAIN & LOCKING HEADER



P/N	DESCRIPTION
G CONNECTOR	2 POSITION PLAIN HEADER
E CONNECTOR	2 POSITION LOCKING HEADER
F CONNECTOR	3 POSITION LOCKING HEADER

Note: For additional header connector specifications refer to page 18.

ORDERING CODE

CNX C E 4 1 04

TERMINATION		WIRE SIZE	WIRE COLOR	WIRE LENGTH
PANEL (LED) SIDE	P C BOARD SIDE	STANDARD 24 AWG	1 - WHT - BLK 2 - RED - BLK 6 - WHT - RED - BLK	04 4 INCHES 06 6 INCHES 08 8 INCHES 10 10 INCHES 12 12 INCHES 18 18 INCHES 24 24 INCHES
B 3mm Panel Connector 2 Lead C 5mm Panel Connector 2 Lead D 5mm Panel Connector 3 Lead K Panel Socket 2 Lead	E Locking Hdr Connector 2 Lead F Locking Hdr Connector 3 Lead G Plain Hdr Connector 3 Lead X Wire Leads - Stripped Ends	OPTIONAL 22 AWG		
CALL FACTORY FOR ADDITIONAL OPTIONS				