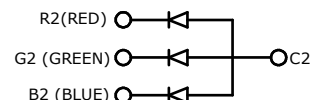
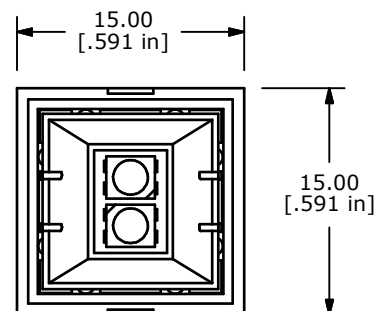
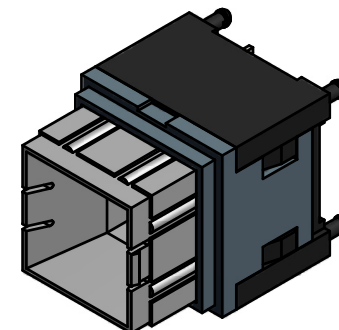
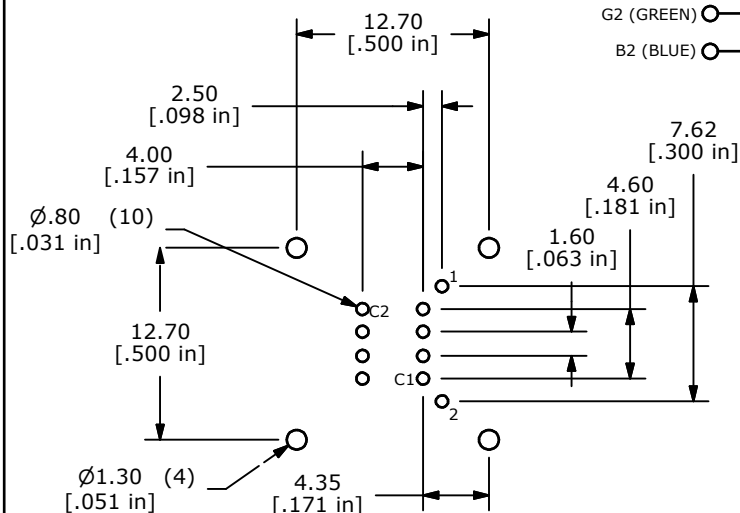


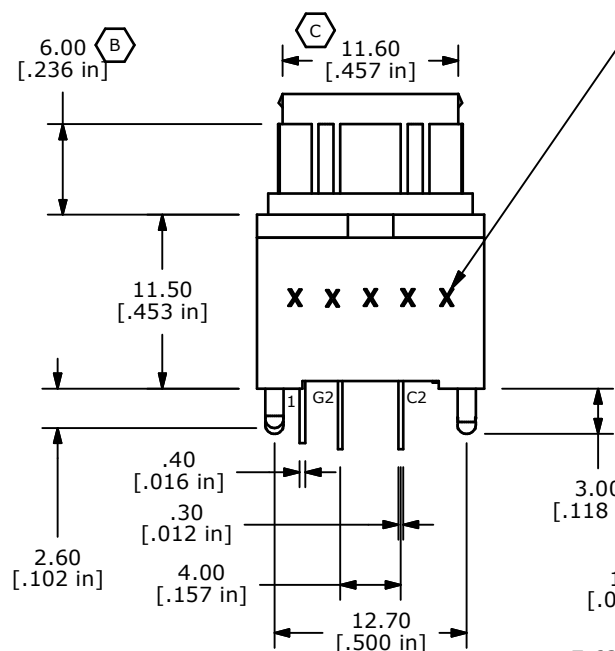
▲ LED SCHEMATIC



PCB LAYOUT

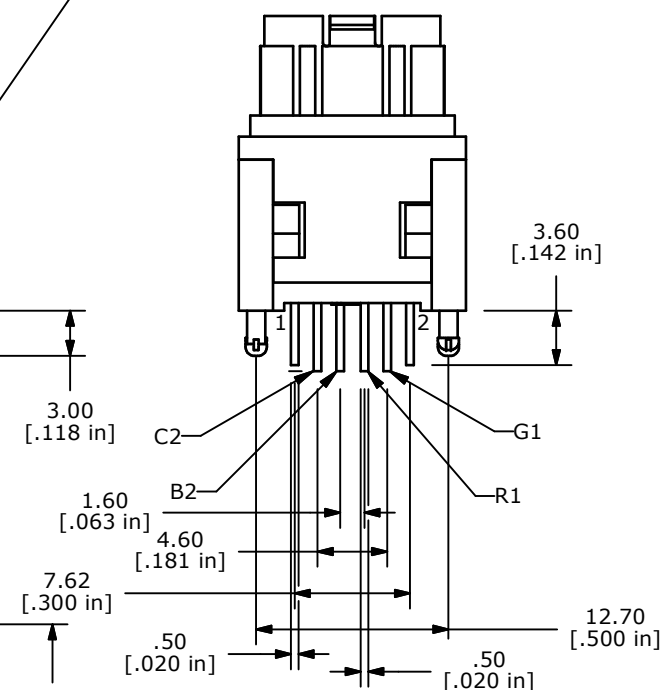
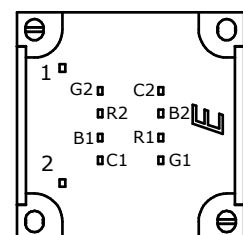
NOTES:

1. ALL DIMENSIONS IN MM [INCH]
2. GENERAL TOLERANCE: X.X=±0.4
X.XX=±0.25
3. TERM. NOS. FOR REFERENCE ONLY.
4. RATING: 100mA @ 12VDC
5. CONTACT MATERIAL: GOLD PLATED (D)
6. CONTACT RESISTANCE: 200 Milli-OHM MAX.
7. INSULATION RESISTANCE: 500VDC, 100 MEGA-OHM MIN.
8. OPERATING FORCE: 250 ± 100GF
9. MECHANICAL LIFE: 1,000,000 CYCLES
10. OPERATING TEMP: -20°C TO +70°C
- ▲ 11. LED COLORS: RED - GREEN - BLUE
12. TRAVEL: 4.50mm±0.20
13. 2002/95/EC (ROHS) COMPLIANT
14. ▲ DENOTES CRITICAL PARAMETER.



DATE CODE ▲

FIRST 3 DIGITS DENOTE DAY
LAST 2 DIGITS DENOTE YEAR



LED SPECS	UNITS	RED	GREEN	BLUE
FORWARD CURRENT	mA	20	20	20
FORWARD VOLTAGE @20mA (typ-max)	V	1.95-2.5	3.3-4.1	3.3-4.0
LUMINOUS INTENSITY @ 20mA (typ)	MCD	250	900	130

D	21454	CHANGE CONTACT MATERIAL TO GOLD	5/13/14	EBP
C	19870	ADD DIMENSION	04/25/11	BMA
B	19785	CORRECT DIMENSION	03/22/11	BMA
A	19423	RELEASE FOR PRODUCTION	11/10/10	BA
REV	PCR NO	DESCRIPTION	DATE	BY

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TITLE LP110A1NBSGVL

SCALE 2:1

DATE 7/30/2010

DR BLR

DWG B233001

REV D