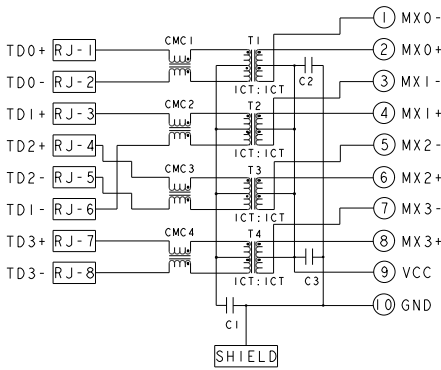
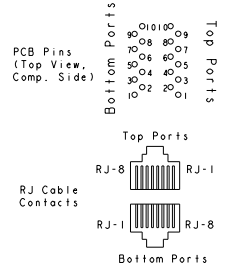


S8G17 GIGABIT MAGNETIC CIRCUIT



C1=1000pF, 2kV, ±10%, X7R
 C2, C3=100V, 470pF±10%, X7R

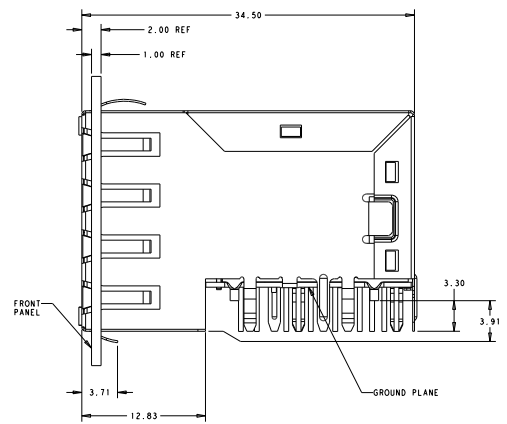
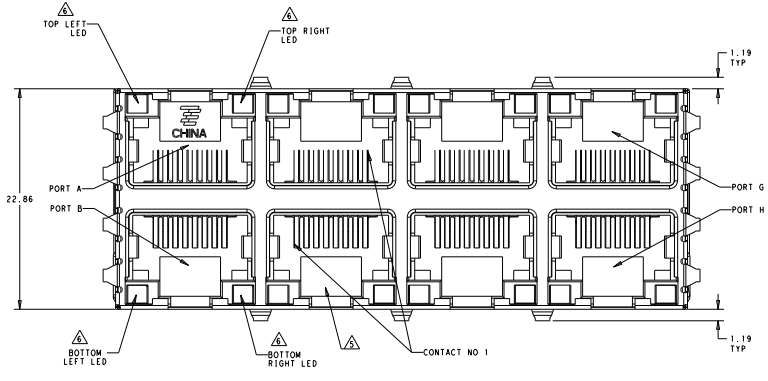
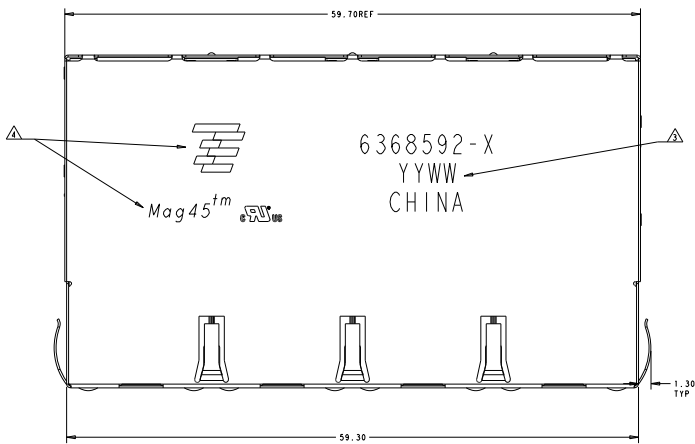
Pin Designations
 (Repeat for each vertical pair of ports.)



- △ MATERIALS:
 - HOUSING: THERMOPLASTIC, BLACK, FLAMMABILITY RATING UL 94V-0.
 - SHIELD: BRASS, PREPLATED WITH 0.76um MIN SEMI-BRIGHT NICKEL, POST DIPPED WITH 2.54um MIN SAC SOLDER ON SOLDER TAILS.
 - CONTACTS: PHOSPHOR BRONZE, PLATED WITH 1.27um MIN OVERALL NICKEL UNDERPLATE, SELECTIVE 1.27um MIN GOLD AT MATING INTERFACE AND 2.54um MIN MATTE TIN ON SOLDER TAILS.
 - LED: DIFFUSED EPOXY LENS, CARBON STEEL LEAD FRAME LEADS, PREPLATED WITH 2.03um MIN SILVER OVER 1.02um MIN NICKEL OVER 1.02um MIN COPPER UNDERPLATE, POST PLATED WITH 2.54um MIN MATTE TIN AND/OR 2.54um MIN SAC SOLDER DIP OR PURE TIN SOLDER DIP.
- △ MAGNETICS:
 - APPLICATION: 10/100/1000 BASE-T
 - IMPEDANCE: 100ohm
 - TURNS RATIO (CHIP:CABLE): 1:1 ALL FOUR PAIRS
 - OPEN CIRCUIT INDUCTANCE (OCL): 350uH MIN @100kHz, 0.1VRMS, 8mA DC BIAS FROM 0°C TO 70°C, ALL FOUR PAIRS
 - ALL FOUR PAIRS BI-DIRECTIONAL
 - PERFORMANCE @25°C:
 - INSERTION LOSS (IL): 1.1dB MAX FROM 0.5MHz TO 100MHz
 - RETURN LOSS (RL): 18dB MIN FROM 0.5MHz TO 40MHz
 - 12-20LOG(f/80)dB MIN FROM 40.1MHz TO 100MHz
 - CROSSTALK ATTENUATION: 35dB MIN FROM 0.5MHz TO 40MHz
 - 33-20LOG(f/50)dB MIN FROM 40.1MHz TO 100MHz
 - COMMON MODE REJECTION RATIO (CMRR): 30dB MIN FROM 0.5MHz TO 100MHz
 - ISOLATION VOLTAGE: COMPLIES WITH IEEE802.3 2002, PARA 40.6.1.1, ITEM b.
- △ PART NUMBER, DATE CODE AND COUNTRY OF ORIGIN ARE LOCATED IN THE APPROXIMATE AREA SHOWN.
- △ TYCO ELECTRONICS LOGO AND AGENCY APPROVAL LOGO ARE LOCATED IN THE APPROXIMATE AREA SHOWN.
- △ RJ45 CAVITIES CONFORM TO FCC RULES AND REGULATIONS PART 68 SUBPART F.
- △ LED IS DRIVEN WITH CONSTANT CURRENT AT APPROX 20mA
 LED COLOR: DOMINANT WAVELENGTH (λD):
 GREEN 568 nm TYP at IF=20mA
 YELLOW 588 nm TYP at IF=20mA
 FORWARD VOLTAGE (VF):
 GREEN 2.2V TYP at IF=20mA
 YELLOW 2.1V TYP at IF=20mA
- △ INDICATED MAGNETIC CONNECTIONS ARE SYMMETRICAL AND SUPPORT AUTO-MDI/MDIX.
- 8 OPERATING TEMPERATURE: FROM 0°C TO 70°C
- 9 THE PARTS ARE RECOMMENDED FOR WAVE SOLDERING PROCESS. PEAK TEMPERATURE 260 °C MAX. 10 SECONDS MAX.

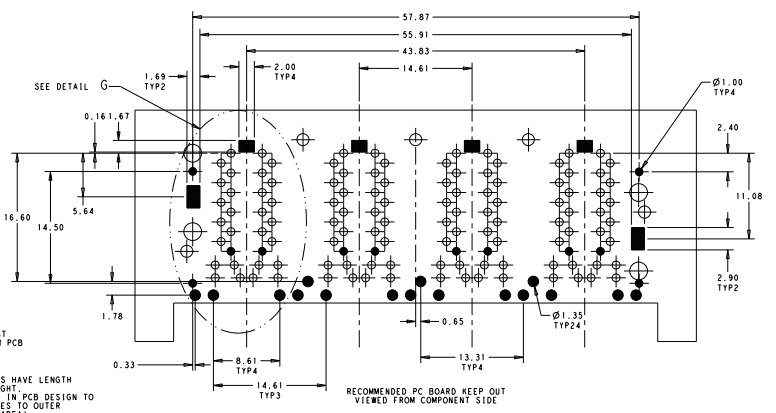
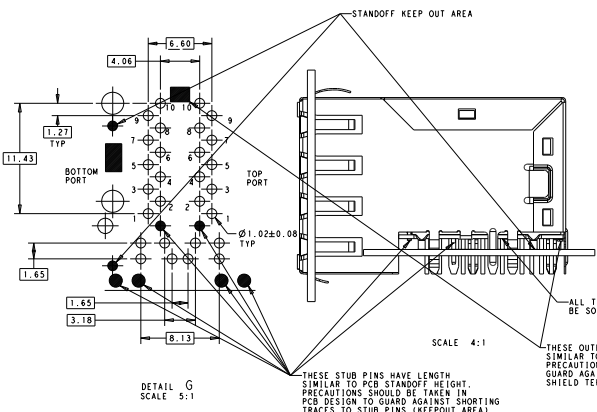
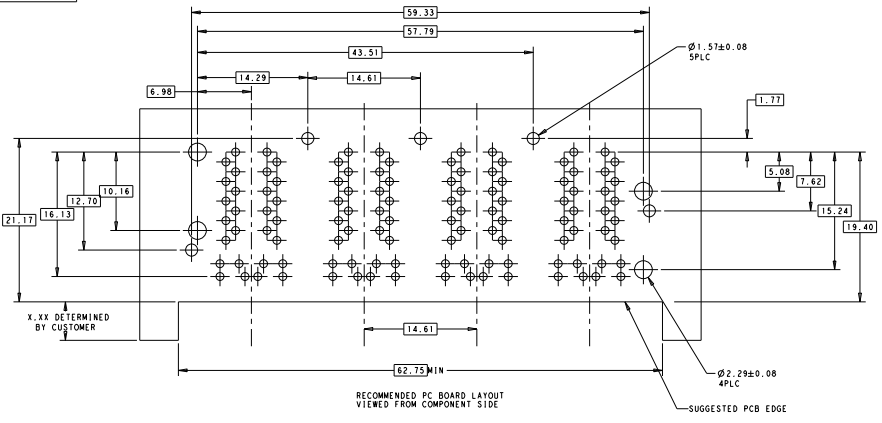
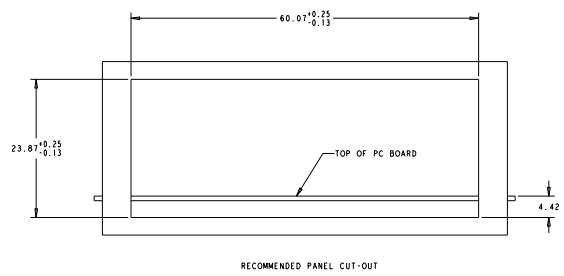
TOP LEFT LED	TOP RIGHT LED	BOTTOM LEFT LED	BOTTOM RIGHT LED	REAR PCB GND TABS	PART NUMBER
GREEN/YELLOW	GREEN/YELLOW	GREEN/YELLOW	GREEN/YELLOW	3	6368592-3
GREEN	YELLOW	GREEN	YELLOW	3	6368592-2
GREEN	GREEN	GREEN	GREEN	3	6368592-1

DIMENSIONS: UNIT: mm 1.00 ±0.05 2.00 ±0.10 2.54 ±0.10 3.00 ±0.10 4.00 ±0.10 5.00 ±0.10 6.00 ±0.10 7.00 ±0.10 8.00 ±0.10 9.00 ±0.10 10.00 ±0.10	DATE: 10/20/2009 DRAWN BY: [Signature] CHECKED BY: [Signature] APPROVED BY: [Signature]	TITLE: 2x4 OFFSET MAG45(TM), MODULE JACK, S8G17 GIGABIT CIRCUIT, WITH LED 10 PIN VERTICAL, REAR PCB GND TABS PART NUMBER: 6368592-1 REV: A	TYPE: Type Electronics LOCATION: Changping China
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DIMENSIONS		MATERIAL		SPECIFICATIONS		REVISIONS	
mm	mm	mm	mm	mm	mm	mm	mm
0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00
20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00
50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00
100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
200.00	200.00	200.00	200.00	200.00	200.00	200.00	200.00
500.00	500.00	500.00	500.00	500.00	500.00	500.00	500.00
1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00

THIS PRODUCT HAS NOT COMPLETED
VALIDATION/QUALIFICATION TESTING



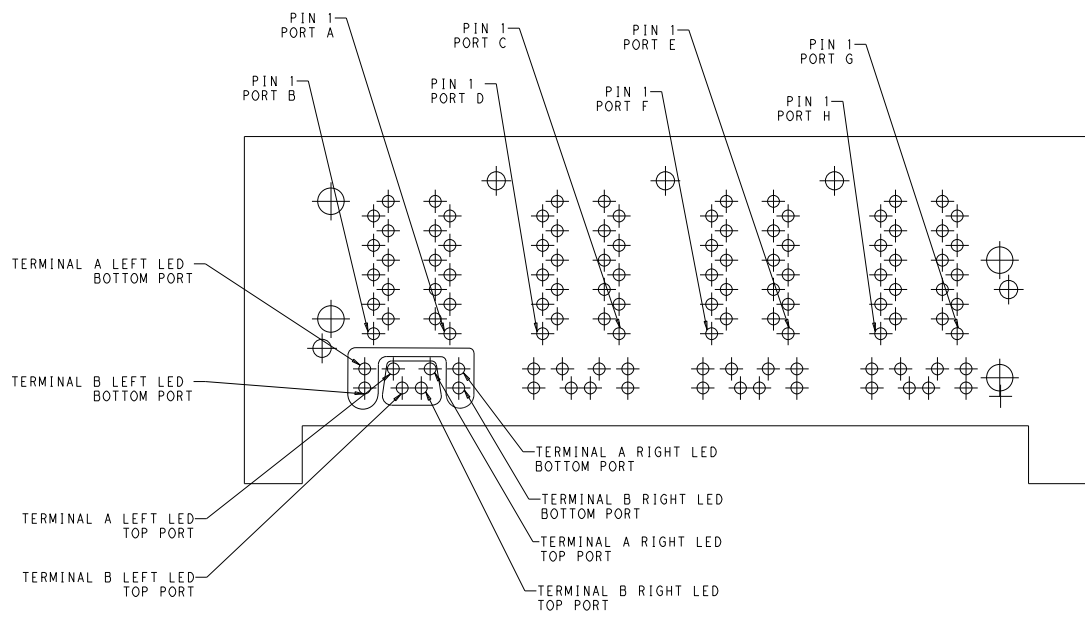
THESE STUB PINS HAVE LENGTH SIMILAR TO PCB STANDOFF HEIGHT. PRECAUTIONS SHOULD BE TAKEN IN PCB DESIGN TO GUARD AGAINST SHORTING TRACES TO STUB PINS. (KEEP OUT AREA)

THESE OUTER SHIELD TERMINALS HAVE LENGTH SIMILAR TO PCB STANDOFF HEIGHT. PRECAUTIONS SHOULD BE TAKEN IN PCB DESIGN TO GUARD AGAINST SHORTING TRACES TO OUTER SHIELD TERMINALS. (KEEP OUT AREA)

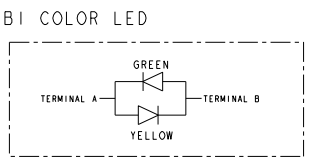
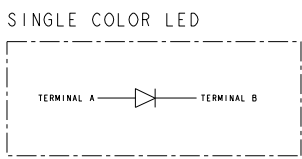
TYPE	TYPE2000	TYPE2000	TYPE2000
DESCRIPTION	TYPE2000	TYPE2000	TYPE2000
UNIT	mm	mm	mm
DATE	0077	0077	0077
REVISION	A	A	A
CUSTOMER DRAWING			

2x4 OFFSET MAG45(TM), MODULE JACK, 56017 SIGA511 CIRCUIT, WITH LED 10 PIN VERTICAL, REAR PCB GND TABS

6368592



LED HOLE DESIGNATIONS VIEWED FROM COMPONENT SIDE



<small>DATE</small> <small>0077</small>		<small>REVISED FOR</small> <small>0077</small>		<small>REVISED FOR</small> <small>0077</small>	
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