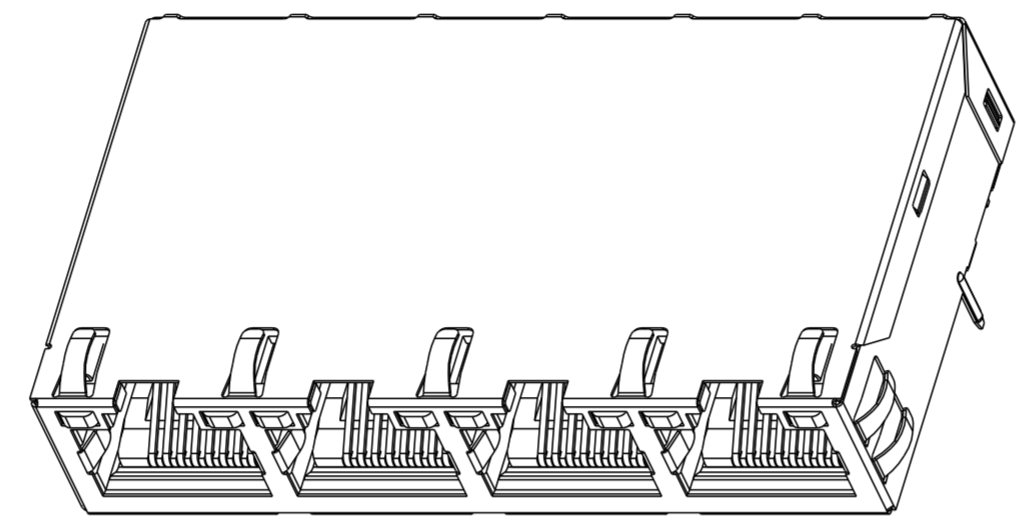
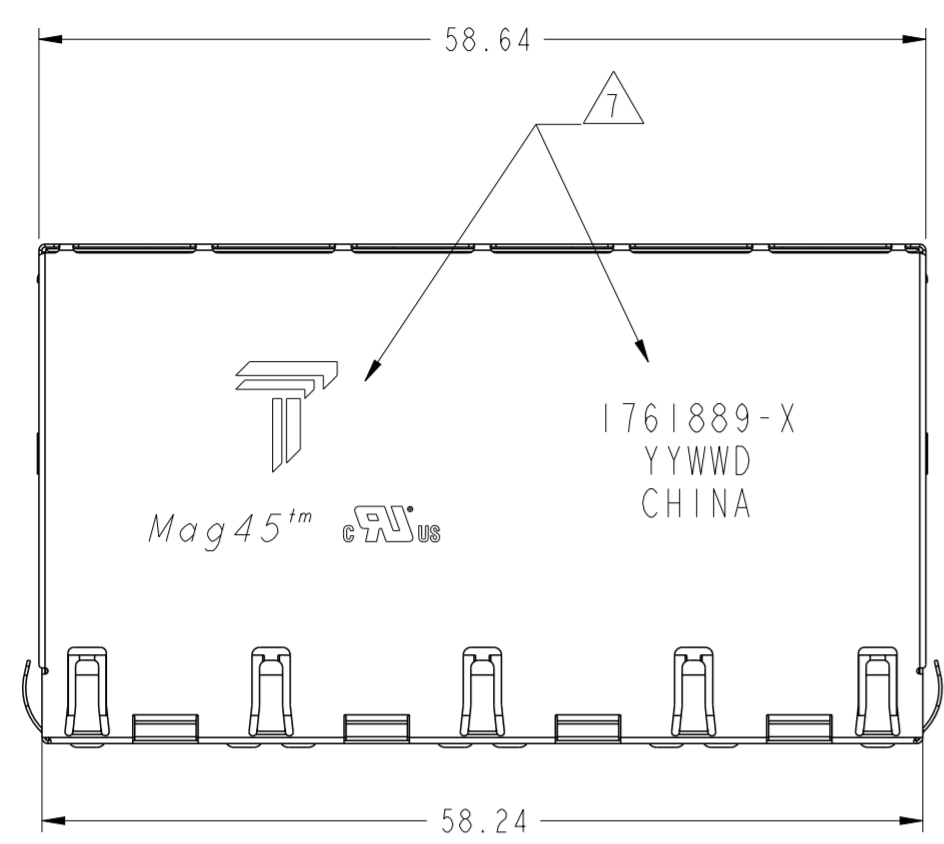
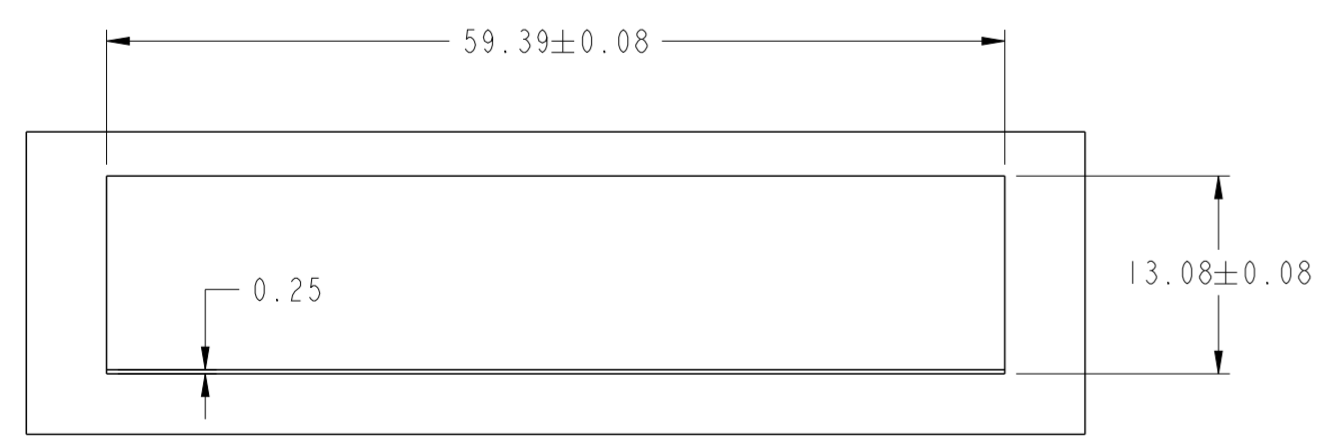
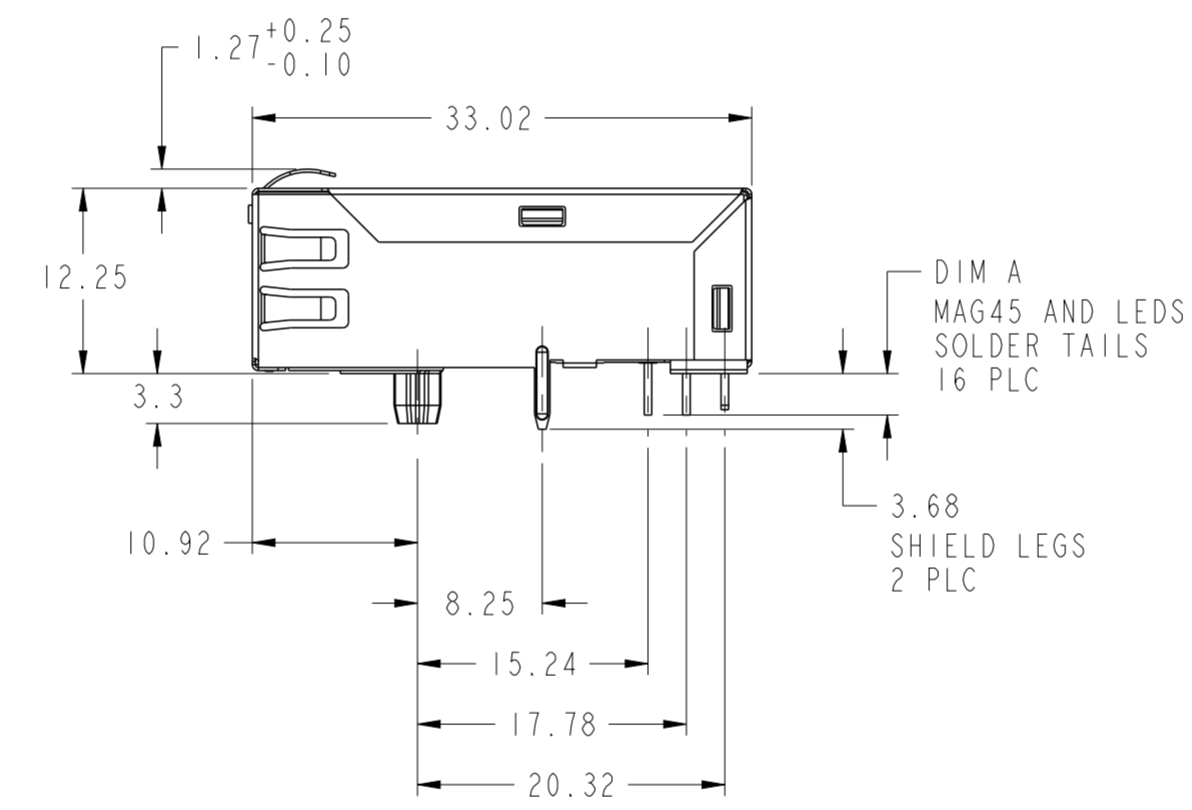
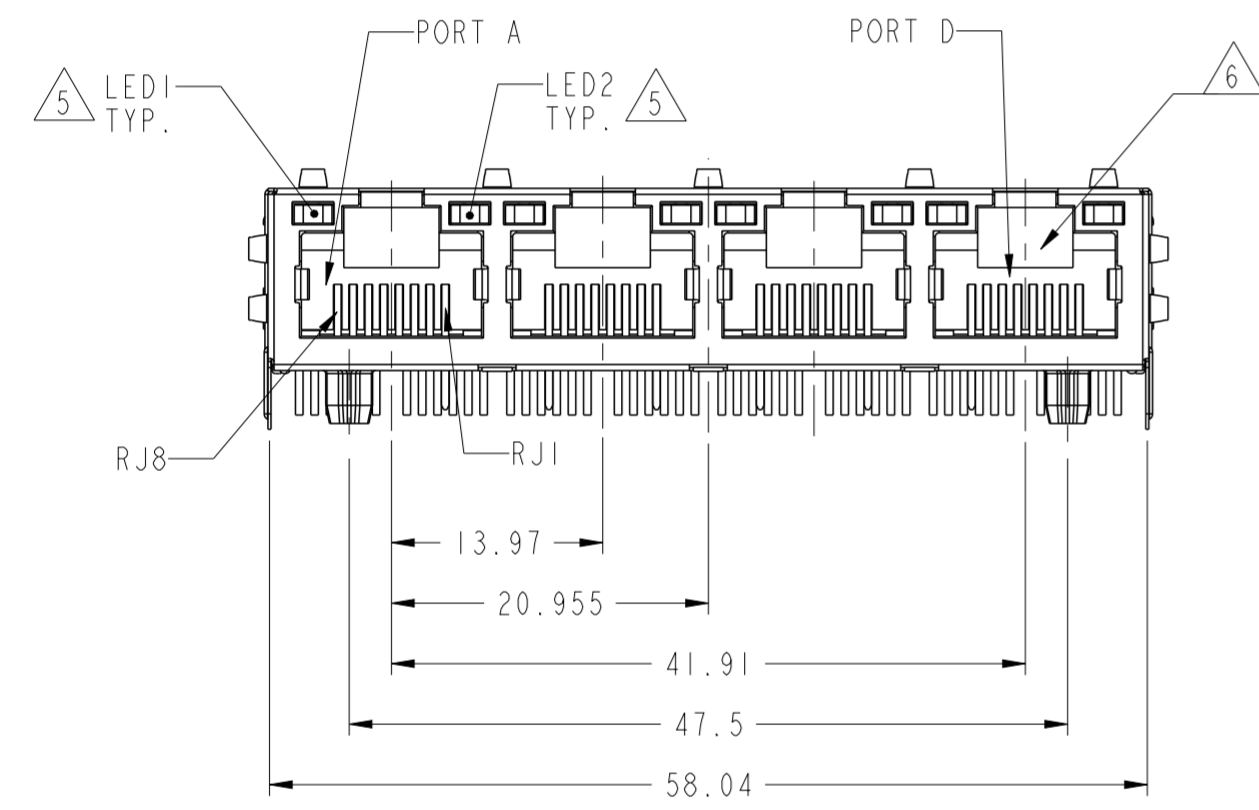


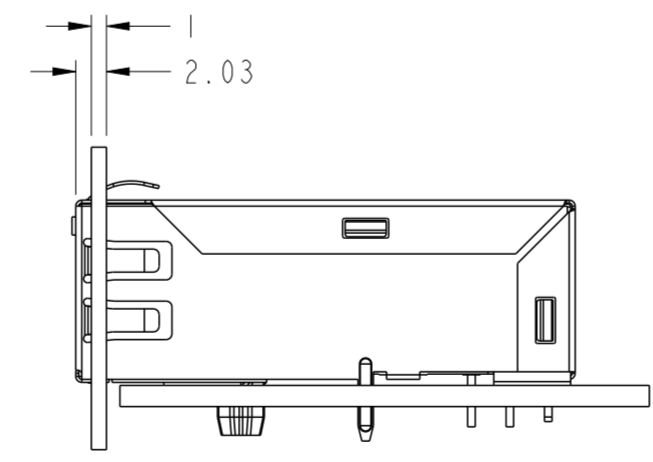
REVISIONS				
P	LTR	DESCRIPTION	DATE	APVD
G		LOGO CHANGE	07APR2013	PP KZ



SCALE 2:1



SUGGESTED PANEL CUTOUT SCALE 2:1



CONNECTOR ASSEMBLED TO PANEL AND PCB SCALE 2:1

- 1 MATERIALS  
 HOUSING: THERMOPLASTIC, BLACK, FLAMMABILITY RATING UL 94V-0  
 SHIELD: BRASS, 0.20mm THICK, PREPLATED WITH MIN 0.76um SEMI-BRIGHT NICKEL POST DIPPED WITH 2.54um MIN SAC SOLDER AT GROUND PINS.  
 CONTACT: PHOSPHOR BRONZE, 0.46mm X0.25mm WITH 1.27um MIN OVERALL NICKEL UNDERPLATE AND SELECTIVE 1.27um MIN GOLD PLATING AT MATING INTERFACE  
 SOLDER TAIL: COPPER CLADDED STEEL, 0.50mm SQUARE PLATED WITH 2.54um MIN MATTE TIN  
 LIGHT PIPE: POLYCARBON, TRANSPARENT, RATING UL 94V-0  
 LED: DIFFUSED EPOXY LENS, 0.50mm SQUARE CARBON STEEL WIREFRAME LEADS PREPLATED WITH 2.03um MIN SILVER OVER 1.02um MIN NICKEL UNDERPLATE OVER 1.02um MIN COPPER UNDERPLATE; POST PLATED WITH 2.54um MIN MATTE TIN.

- 2 MAGNETICS  
 -APPLICATION: 10/100/1000 BASE-T  
 -IMPEDANCE: 100 OHMS  
 -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:  
 1761889-1/-2/-3, 2-1761889-1/-2/-3 COMPLY WITH IEEE802.3 2002, PARA 40.6.1.1, ITEM b.  
 1761889-8, 6-1761889-8, 8-1761889-8 COMPLY WITH IEEE802.3 2002, PARA 40.6.1.1, ITEM a AND b.

- 3 THE MAGNETIC CIRCUIT ON ALL FOUR CHANNELS IS SYMMETRICAL AND SUPPORTS AUTO-MDIX OPERATION.

4. OPERATING TEMPERATURE: 0°C ~ 70°C

- 5 LEDS ARE DRIVEN WITH CONSTANT CURRENT AT APPROX 20mA.  
 LED COLOR:  
 DOMINANT WAVELENGTH (λD): GREEN 568 nm TYP. at IF=20mA  
 FORWARD VOLTAGE (VF): GREEN 2.2V TYP. at IF=20mA  
 DOMINANT WAVELENGTH (λD): YELLOW 588 nm TYP. at IF=20mA  
 FORWARD VOLTAGE (VF): YELLOW 2.1V TYP. at IF=20mA  
 DOMINANT WAVELENGTH (λD): ORANGE 610 nm TYP. at IF=20mA  
 FORWARD VOLTAGE (VF): ORANGE 2.1V TYP. at IF=20mA

- 6 RJ45 CAVITY CONFORMS TO FCC RULES AND REGULATION PART 68 SUBPART F.

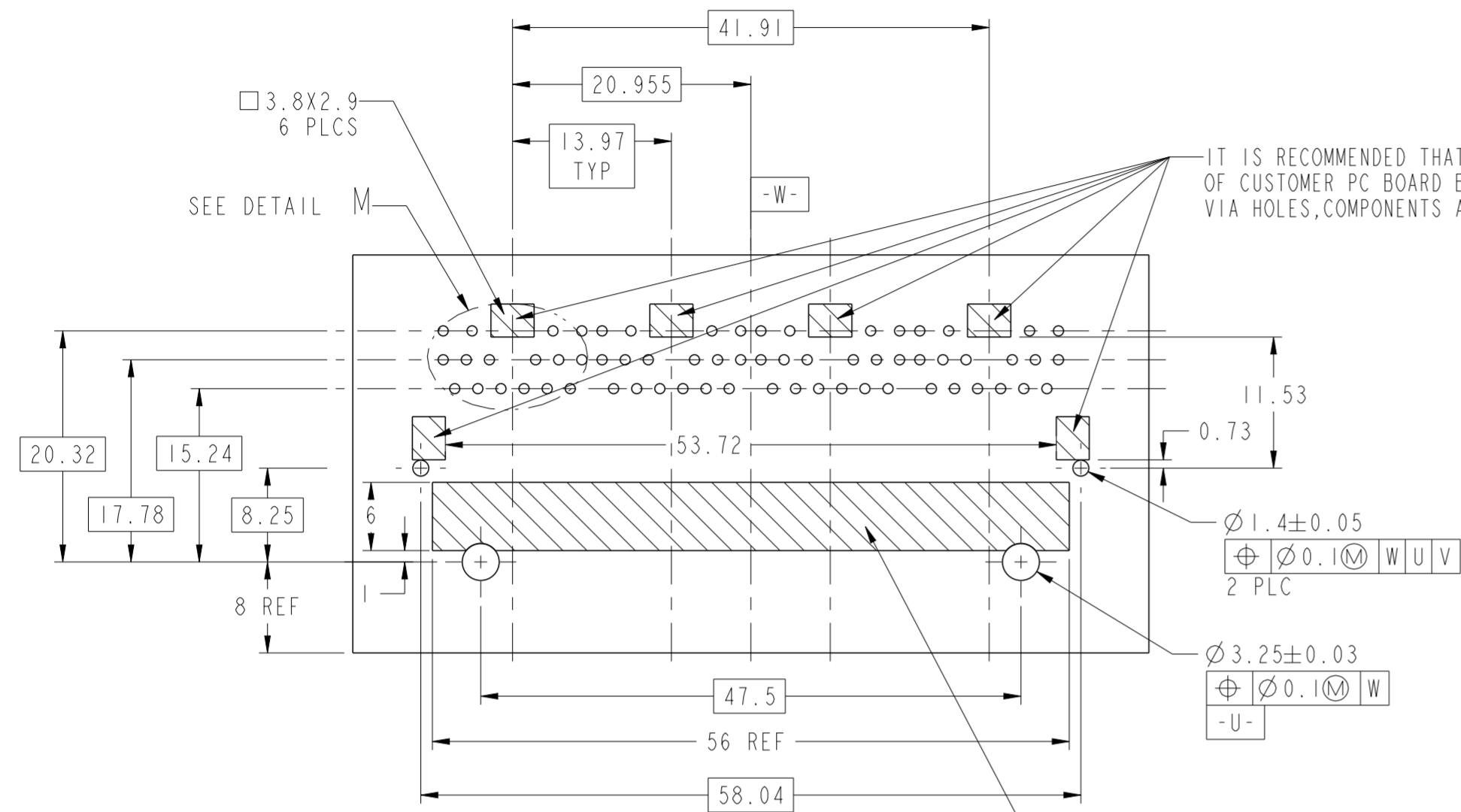
- 7 TRP CONNECTOR LOGO, PART NUMBER, DATE CODE, COUNTRY OF ORIGIN, AGENCY APPROVAL MARKING LOGO LOCATED IN THE APPROPRIATE AREA SHOWN. DATE CODE YY IS YEAR, WW IS WORK WEEK, D IS DAY OF WEEK WITH SUNDAY=1.

8. THESE PARTS ARE RECOMMENDED FOR WAVE SOLDERING PROCESS, PEAK WAVE SOLDERING TEMPERATURE IS 265°C, 10sec MAX.

3.18	GREEN	YELLOW	8-1761889-8
3.18	GREEN	GREEN/YELLOW	2-1761889-3
3.18	GREEN/ORANGE	YELLOW	2-1761889-2
3.18	GREEN	GREEN	2-1761889-1
2.74	GREEN	YELLOW	6-1761889-8
3.18	GREEN/YELLOW	GREEN	1761889-8
2.74	GREEN	GREEN/YELLOW	1761889-3
2.74	GREEN/ORANGE	YELLOW	1761889-2
2.74	GREEN	GREEN	1761889-1
DIM A	LED1	LED2	PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.

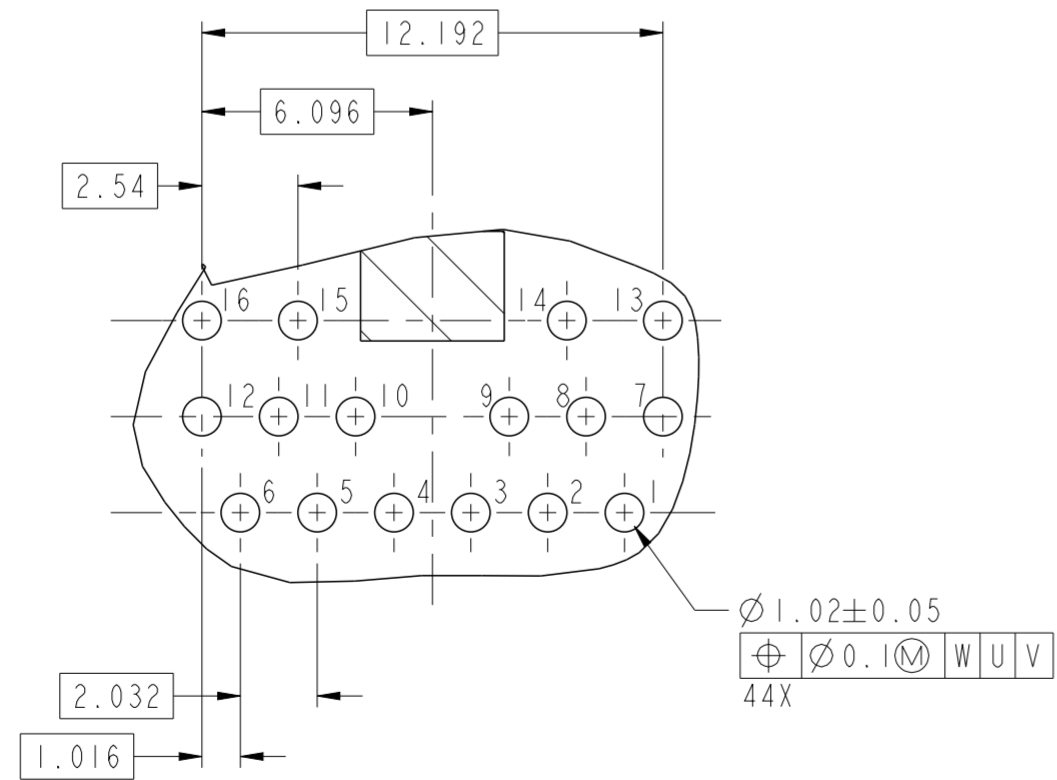
DWN KEITH ZHU 21-Jun-05		TRP connector			
CHK TEDDY XIONG 21-Jun-05		Dongguan China			
APVD TEDDY XIONG 21-Jun-05		PRODUCT SPEC	NAME 1X4 MAG(45) MODULAR JACK		
		108-2100	LOW PROFILE, 1G27 GIGABIT CIRCUIT		
	APPLICATION SPEC	SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
		A2		G-1761889	
MATERIAL	FINISH	WEIGHT	SCALE	SHEET	REV
			NTS	1 OF 2	G



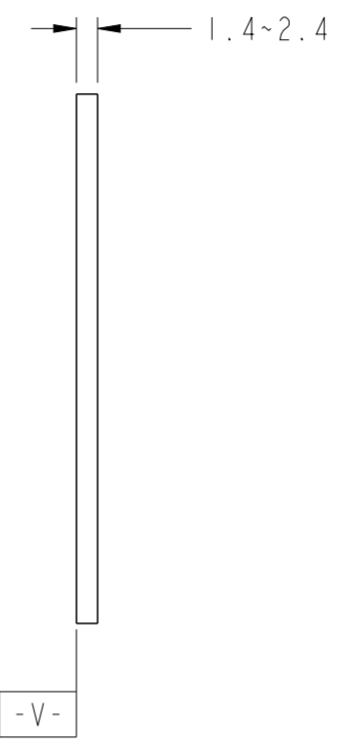
IT IS RECOMMENDED THAT SHADED AREA OF CUSTOMER PC BOARD BE CLEAR OF ANY VIA HOLES, COMPONENTS AND CIRCUIT TRACE.

IT IS RECOMMENDED THAT SHADED AREA OF CUSTOMER PC BOARD BE CLEAR OF ANY VIA HOLES, COMPONENTS, GROUND COPPER AND CIRCUIT TRACE.

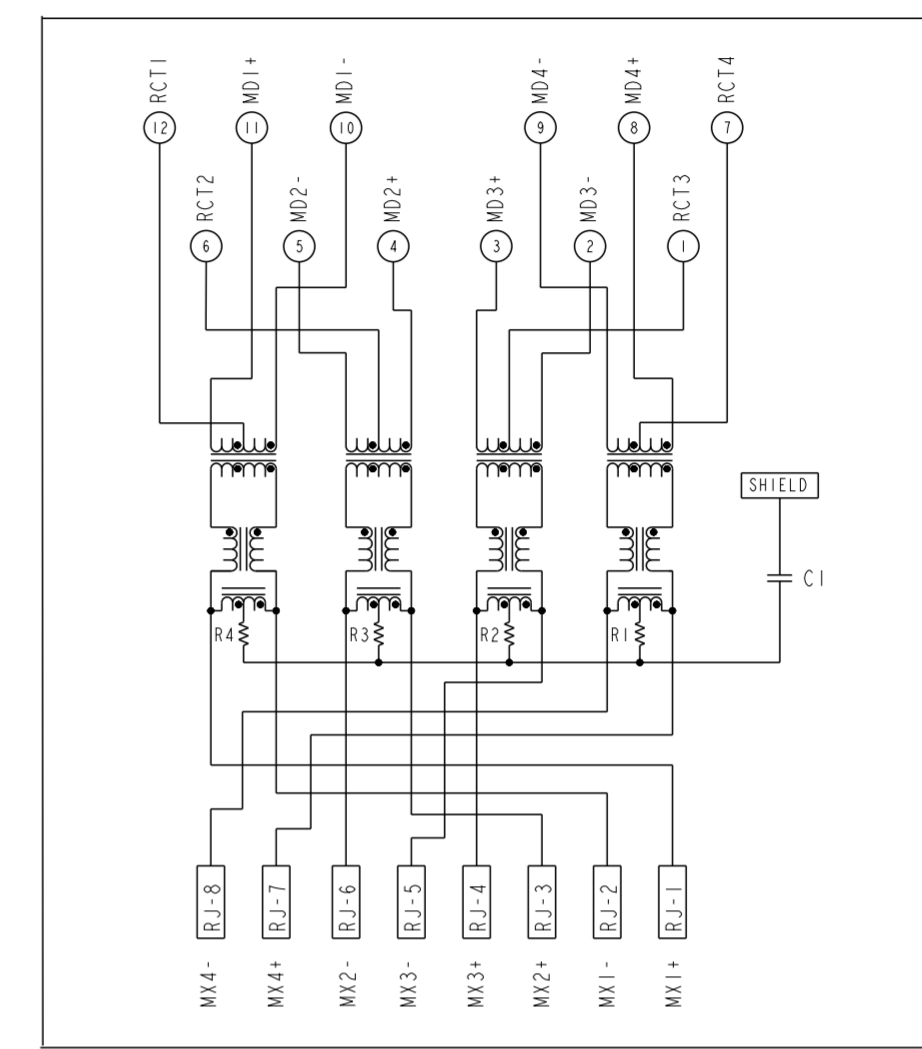
SUGGESTED PCB FOOTPRINT COMPONENT SIDE SCALE 2:1



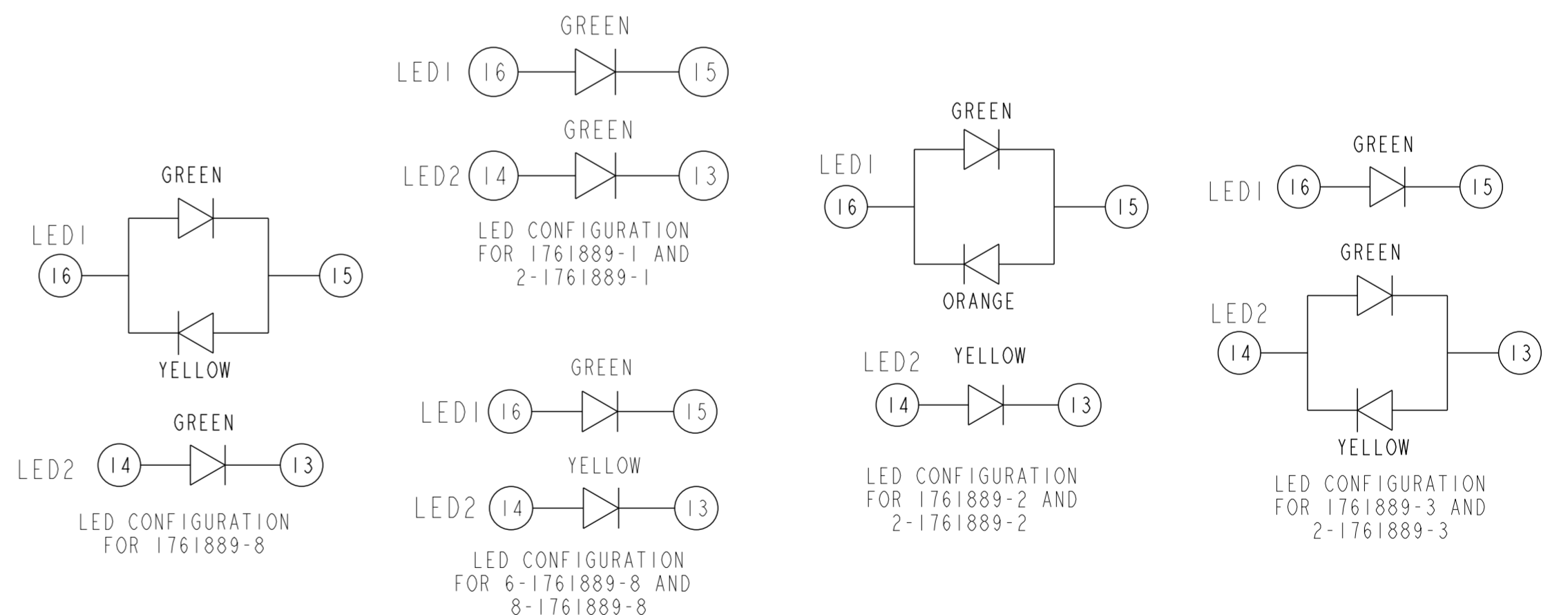
DETAIL M SCALE 5:1 TYP



1G27 GIGABIT CIRCUIT



R1-R4=75 Ohms, 5%, 1/16W RESISTORS  
 C1=1000pF, 3kV CAPACITOR FOR 1761889-8,6-1761889-8,8-1761889-8 ONLY.  
 C1=1000pF, 2kV CAPACITOR FOR 1761889-1/-2/-3 & 2-1761889-1/-2/-3 ONLY.



THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN KEITH ZHU 21-Jun-05		TRP connector Dongguan China	
		CHK TEDDY XIONG 21-Jun-05			
DIMENSIONS: mm		APVD TEDDY XIONG 21-Jun-05		NAME 1X4 MAG(45) MODULAR JACK	
TOLERANCES UNLESS OTHERWISE SPECIFIED:		PRODUCT SPEC 108-2100		LOW PROFILE, 1G27 GIGABIT CIRCUIT	
0 PLC ±0.25		APPLICATION SPEC -		SIZE A2	
1 PLC ±0.25		WEIGHT -		DRAWING NO C-1761889	
2 PLC ±0.25		MATERIAL -		RESTRICTED TO	
3 PLC ±0.25		FINISH -		SCALE NTS	
4 PLC ±0.25				SHEET 2 OF 2	
ANGLES ±		CUSTOMER DRAWING		REV G	