

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

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

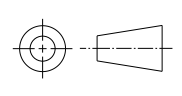
5 LEDS ARE DRIVEN WITH CONSTANT CURRENT AT APPROX 20mA.
LED COLOR: DOMINANT WAVELENGTH (λD): GREEN 568 nm TYP. at IF=20mA
FORWARD VOLTAGE (VF): GREEN 2.2V TYP. at IF=20mA
DOMINANT WAVELENGTH (λD): YELLOW 588 nm TYP. at IF=20mA
FORWARD VOLTAGE (VF): YELLOW 2.1V TYP. at IF=20mA
DOMINANT WAVELENGTH (λD): 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 Dongguan China										
DIMENSIONS:		CHK TEDDY XIONG 21-Jun-05											
mm		APVD TEDDY XIONG 21-Jun-05											
	TOLERANCES UNLESS OTHERWISE SPECIFIED:	PRODUCT SPEC	NAME										
		108-2100	1X4 MAG(45) MODULAR JACK LOW PROFILE, 1G27 GIGABIT CIRCUIT										
MATERIAL	FINISH	APPLICATION SPEC	SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO							
		-	A2		C=1761889								
WEIGHT		CUSTOMER DRAWING				SCALE	N.T.S.	SHEET	1	OF	2	REV	G
-													

D

C

B

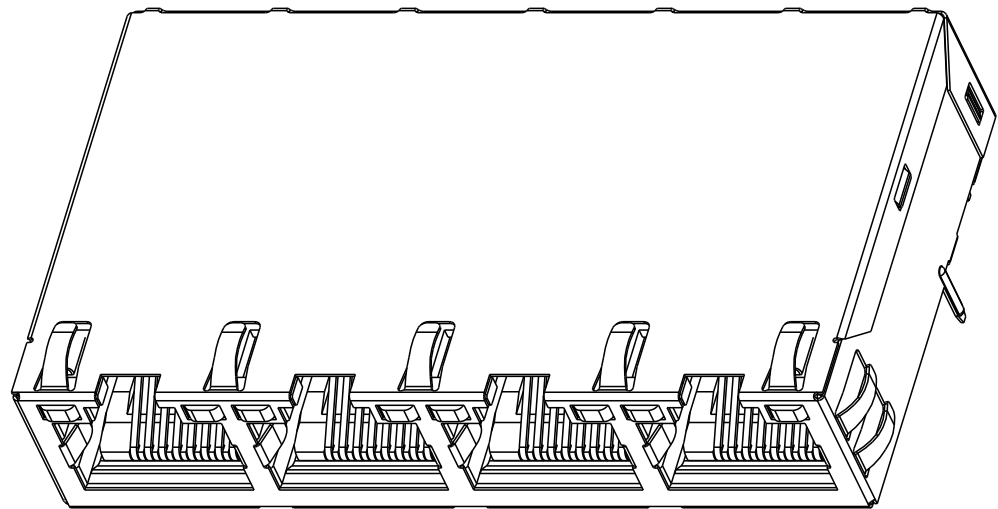
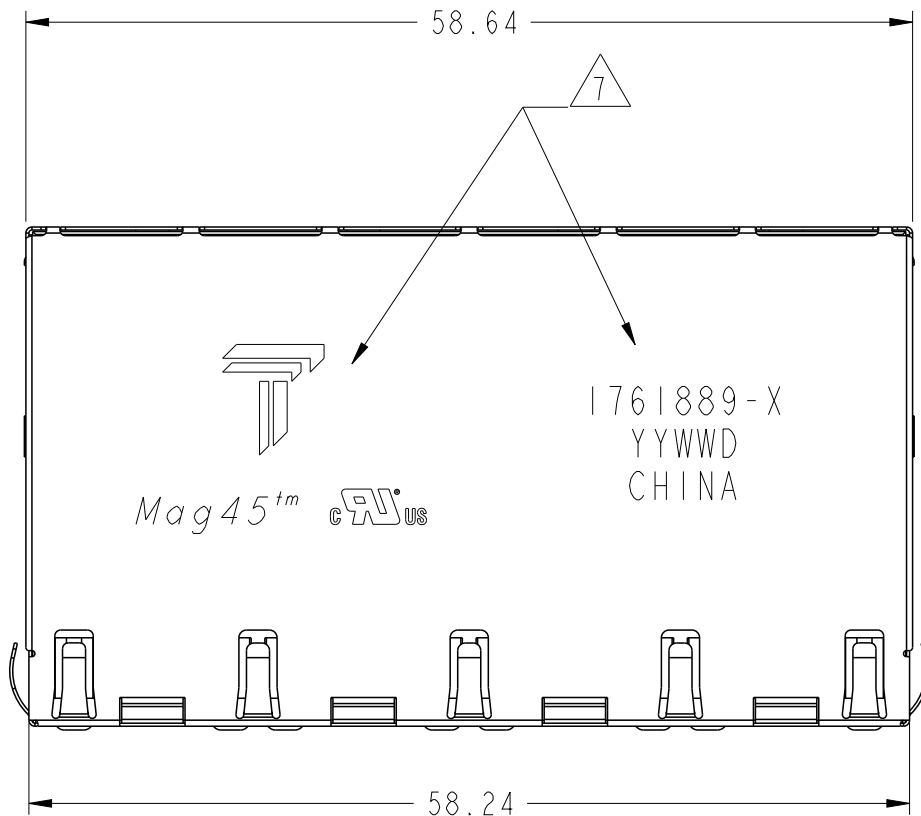
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D

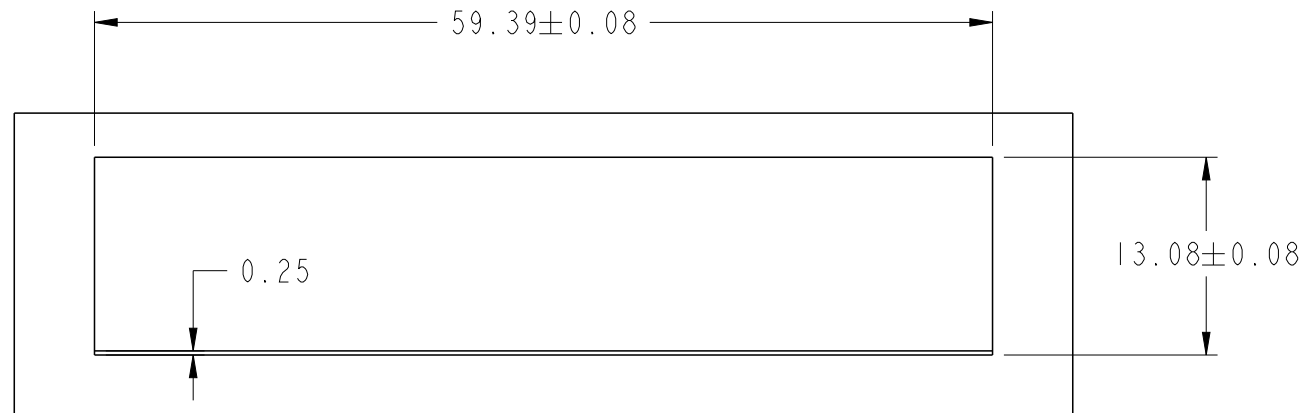
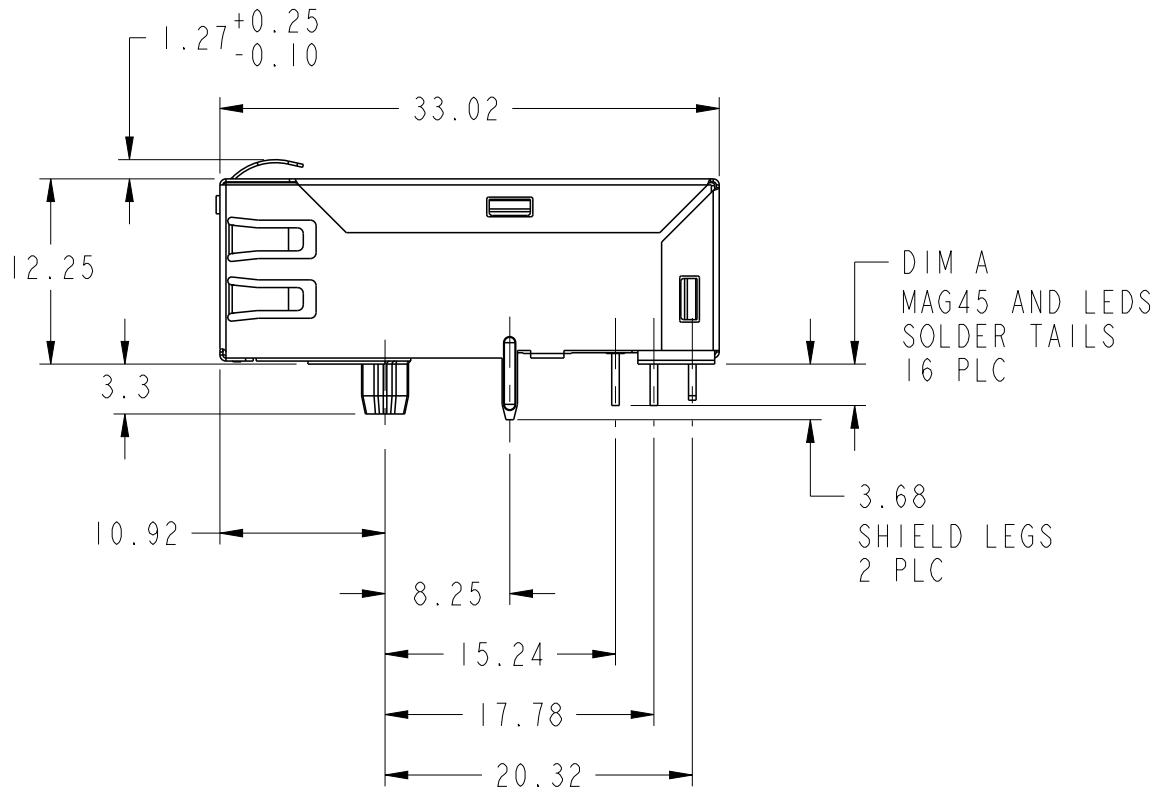
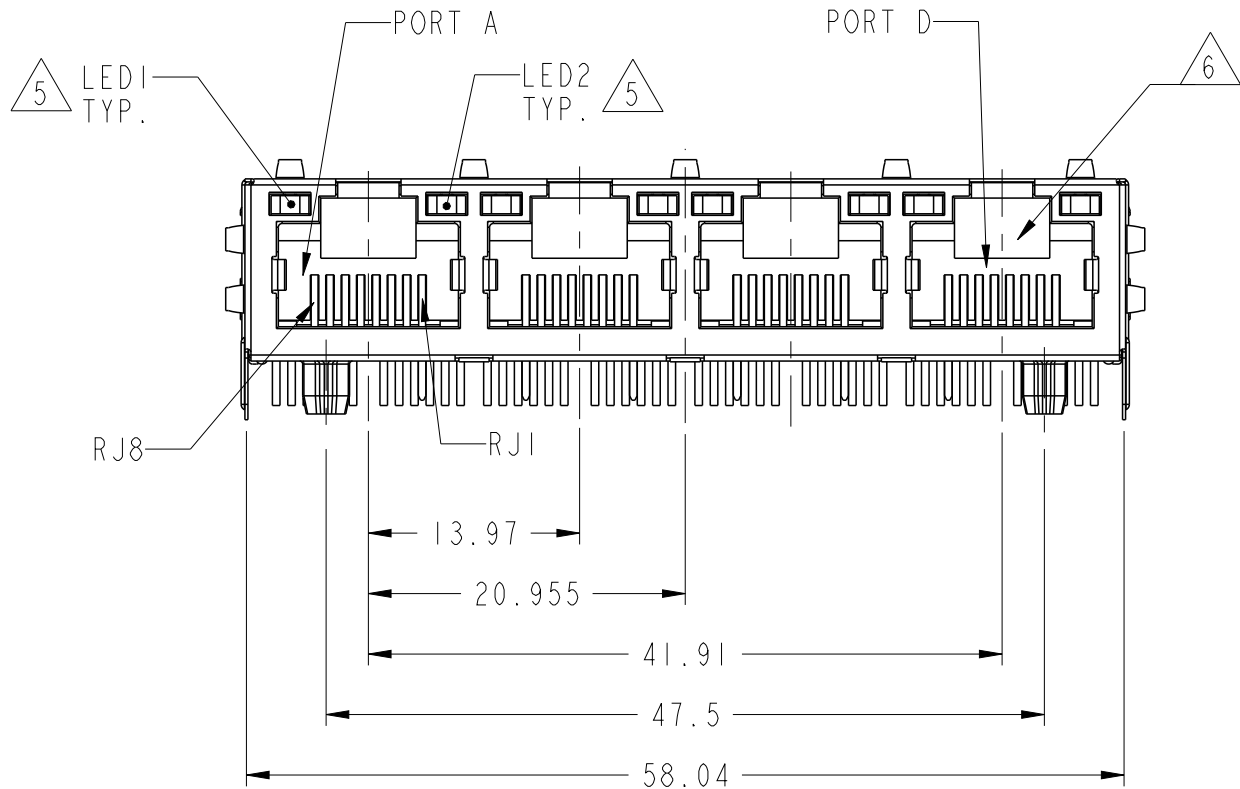
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B

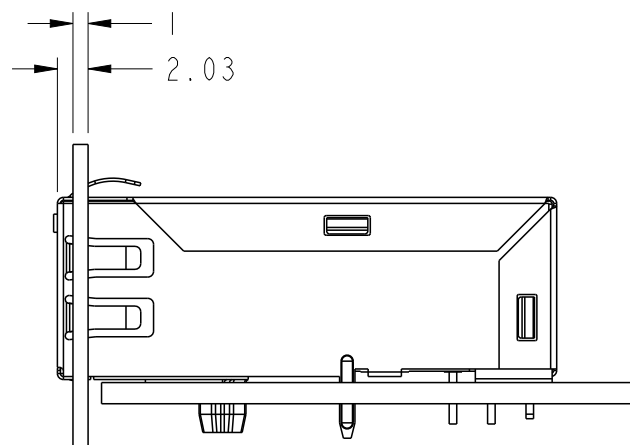
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SCALE 2:1



SUGGESTED PANEL CUTOUT
SCALE 2:1



CONNECTOR ASSEMBLED
TO PANEL AND PCB
SCALE 2:1

