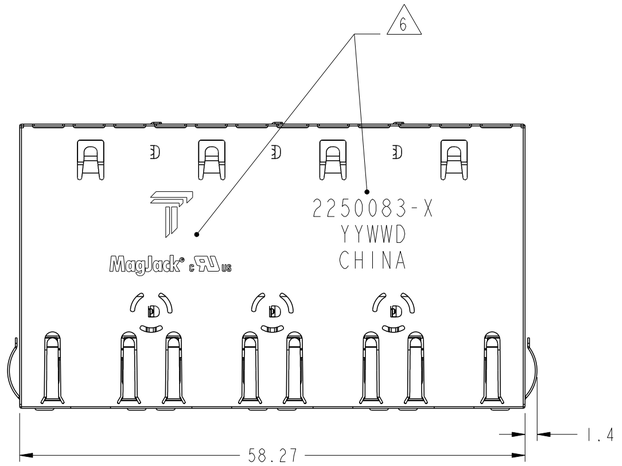
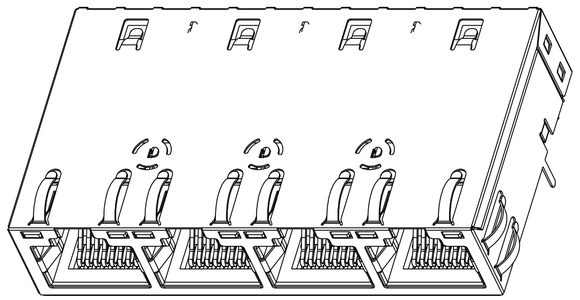
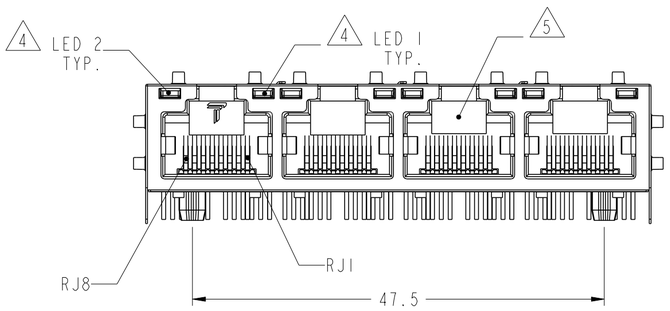
THIS DRAWING AND THE SUBJECT MATTER SHOWN THEREON ARE CONFIDENTIAL AND THE PROPERTY OF BEL/STEWART/TRP CONNECTOR AND SHALL NOT BE REPRODUCED, COPIED, OR USED IN ANY MANNER WITHOUT THE WRITTEN CONSENT OF TRP CONNECTOR.

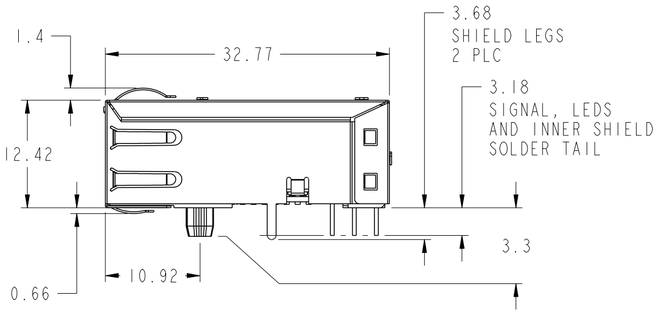
PRODUCT MAY BE PROTECTED BY ONE OR MORE OF THE FOLLOWING US PATENTS:
5736910 5939955 6425781 6428361 6554638 6840817 7123117
7429195 7717749 7808751 6217391 6149050 7924130

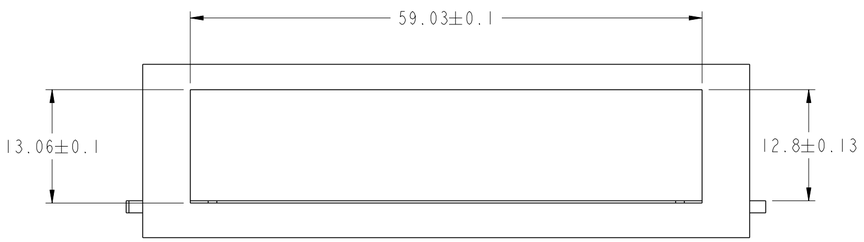
REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
	5	SEE FINAL SHEET	10JUN2015	TRY	TYY



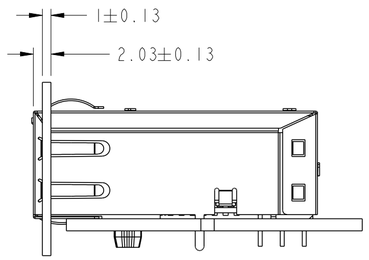








SUGGESTED PANEL CUTOUT



CONNECTOR ASSEMBLED
TO PANEL AND PCB

1. MATERIALS
   HOUSING: THERMOPLASTIC, BLACK, FLAMMABILITY RATING UL 94V-0
   SHIELD: BRASS, 0.20mm THICK,PREPLATED WITH MIN 0.76µm SEMI-BRIGHT NICKEL
   POST DIPPED WITH 2.54µm MIN SAC SOLDER AT GROUND PINS.
   CONTACT: PHOSPHOR BRONZE, 0.46mmX0.30mm
   WITH 1.27µm MIN OVERALL NICKEL UNDERPLATE AND
   SELECTIVE 1.27µm MIN GOLD PLATING AT MATING INTERFACE
   SOLDER TAIL (LED AND SIGNAL): Ø0.45mm COPPER PLATED STEEL,
   PLATED WITH 2.54µm MIN MATTE TIN
   LIGHT PIPE: POLYCARBON, TRANSPARENT, RATING UL 94V-0
   LED: SMD TYPE

2. MAGNETICS
   - APPLICATION: 1G/10G BASE-T
   - IMPEDANCE: 100 OHMS
   - TURNS RATIO (CHIP:CABLE): 1:1 ALL FOUR PAIRS
   - OPEN CIRCUIT INDUCTANCE(OCL): 160uH MIN @100kHz, 0.1VRMS,
   8mADC BIAS FROM 0°C TO 70°C, ALL FOUR PAIRS.
   - ALL FOUR PAIRS BI-DIRECTIONAL
   - PERFORMANCE @ 25°C ,PLEASE REFER TO SEPARATE SHEET.
   - ISOLATION VOLTAGE: 2250VDC(MAX) FOR 60 SECS WITH A RISE TIME OF 500V/SEC,
   WITH ALL PORTS CONNECTED

3. OPERATING TEMPERATURE: 0°C TO 70°C

4. 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 608 nm TYP. at IF=20mA
   FORWARD VOLTAGE (VF): ORANGE 2.1V TYP. at IF=20mA

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

6. TRP CONNECTOR LOGO, PART NUMBER, DATE CODE, COUNTRY OF ORIGIN,AND
   AGENCY APPROVAL LOGO TO BE MARKED IN APPROPRIATE LOCATION SHOWN.
   DATE CODE:YYWWD WHERE YY IS YEAR. WW IS WORK WEEK. D IS DAY OF WEEK, WITH SUNDAY=1.

7. DATUM AND BASIC DIMENSION ESTABLISHED BY CUSTOMER.

8. PART SHOULD BE RECOMMENDED FOR WAVE SOLDERING PROCESS, PEAK TEMPERATURE IS 260°C,
   10 SECONDS MAX.

GREEN	YELLOW	GREEN	YELLOW	2250083-2
GREEN	ORANGE	GREEN	ORANGE	2250083-1
16 15	16 15	14 13	14 13	PART NUMBER
LED2		LED1		

THIS DRAWING IS A CONTROLLED DOCUMENT.
AND COMPLIANT TO ASME Y14.5M

DIMENSIONS: mm

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ±-
1 PLC ±0.25
2 PLC ±0.25
3 PLC ±0.25
4 PLC ±-
ANGLES ±-

PRODUCT SPEC: -
APPLICATION SPEC: -

DWN 30DEC2014 TOWER YU / XENIA WANG
CHK 30DEC2014 BILL LIU
APVD 30DEC2014 TONY YUAN

MODEL NAME: MAGJACK GANG NON-POE

trp CONNECTOR a bel group — DONGGUAN CHINA

DESC: 1X4 1TG08 10GIGABIT TAB UP, W/ LEDS

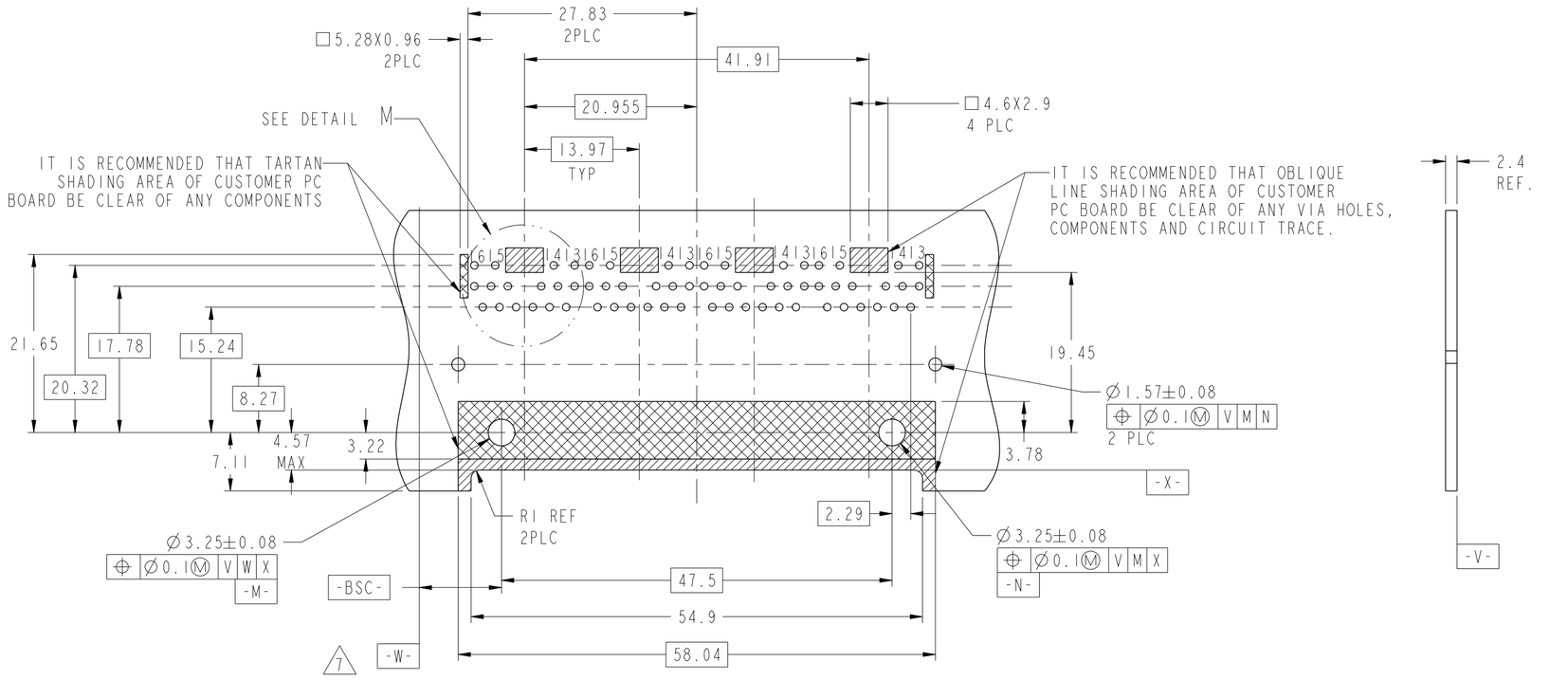
SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A2		C-2250083	-

CUSTOMER DRAWING | SCALE NTS | SHEET 1 OF 3 | REV 5

xxxxx

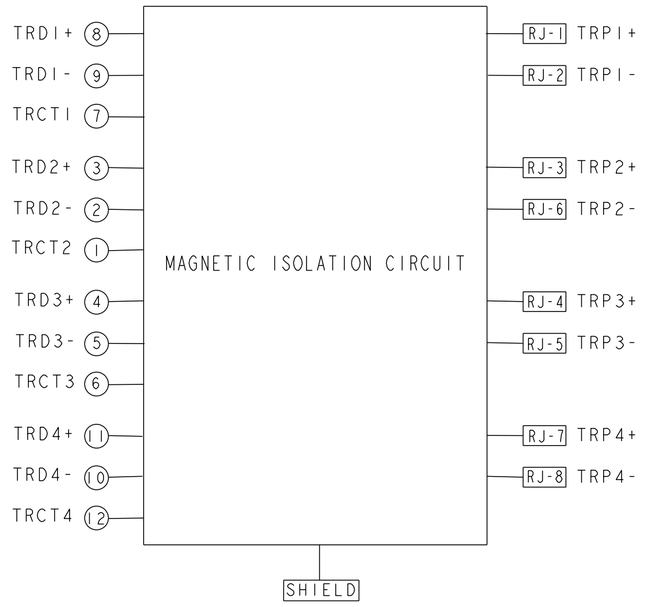
Please read our datasheet & drawing disclaimer here.

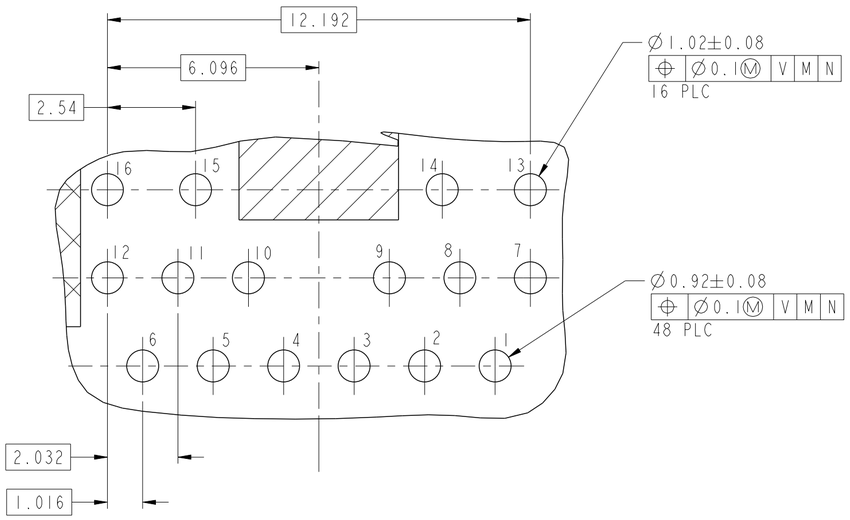
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SUGGESTED PCB FOOTPRINT
COMPONENT SIDE
SCALE 2:1

ITG08 10G BASE-T CIRCUIT △2





DETAIL M
SCALE 8:1

THIS DRAWING IS A CONTROLLED DOCUMENT. AND COMPLIANT TO ASME Y14.5M		DWN 30DEC2014 TOWER YU / XENIA WANG	trp CONNECTOR a bel group — DONGGUAN CHINA
DIMENSIONS: mm	TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ±- 1 PLC ±0.25 2 PLC ±0.25 3 PLC ±0.25 4 PLC ±- ANGLES ±-	CHK 30DEC2014 BILL LIU	
		APVD 30DEC2014 TONY YUAN	
PRODUCT SPEC -	APPLICATION SPEC -	MODEL NAME MAGJACK GANG NON-POE	DESC IX4 ITG08 10GIGABIT TAB UP, W/ LEDS
		SIZE A2 / CAGE CODE / DRAWING NO C-2250083 / RESTRICTED TO -	
		CUSTOMER DRAWING	SCALE NTS / SHEET 2 OF 3 / REV 5

xxxxx

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2250083_C	STOCK DISPOSITION
	A:CONTINUE AS IS D:USE OLD FIRST B:REWORK E:PARTS TO CONFORM C:SCRAP F:OTHER

REVISION HISTORY

DATE	REV	CHANGE	REASON	APPROVAL	INVENTORY (A,B,C,D,E,F)	WORK IN PROCESS (A,B,C,D)	SUPPLIER ORDERS (A,E,F)	OPEN CUST ORDERS (A,E,F)
30DEC2014	1	-	INITIAL RELEASE	TONY YUAN	-	-	-	-
23MAR2015	2	ALL VIEWS, CHANGE SHIELD FIGURE SHEET 2, C3: ADD BASIC DIM 6.05 AND 6.6 CHANGE DIM 5.2 TO 3.78 SHEET 2, C4: ADD DIM ∅0.92	PRODUCT IMPROVEMENT	TONY YUAN	-	-	-	-
15APR2015	3	SHEET 2, C3: DELETE BASIC DIM 6.05 AND 6.6 SHEET 2, C4: DELETE DIM ∅0.92	MARKET REQUEST	TONY YUAN	-	-	-	-
10JUN2015	4	SHEET 1, TITLE BLOCK: ADD DASH NUMBER FOR GREEN/YELLOW LEDS	MARKET REQUEST	TONY YUAN	-	-	-	-
10JUN2015	5	SHEET 1, TITLE BLOCK: REVERSE LEDS POLARITY FOR 2250083-2	MARKET REQUEST	TONY YUAN	-	-	-	-

THIS DRAWING IS A CONTROLLED DOCUMENT.
AND COMPLIANT TO ASME Y14.5M

DIMENSIONS: mm

TOLERANCES UNLESS OTHERWISE SPECIFIED:

0 PLC	±-
1 PLC	±0.25
2 PLC	±0.25
3 PLC	±0.25
4 PLC	±-
ANGLES	±-

PRODUCT SPEC: -

APPLICATION SPEC: -

DWN 30DEC2014 TOWER YU / XENIA WANG
CHK 30DEC2014 BILL LIU
APVD 30DEC2014 TONY YUAN

MODEL NAME: MAGJACK GANG NON-POE

trp CONNECTOR a bel group — DONGGUAN CHINA

DESC: 1X4 1TG08 10GIGABIT TAB UP, W/ LEDS

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A2		C-2250083	-

CUSTOMER DRAWING | SCALE NTS | SHEET 3 OF 3 | REV 5

xxxxx