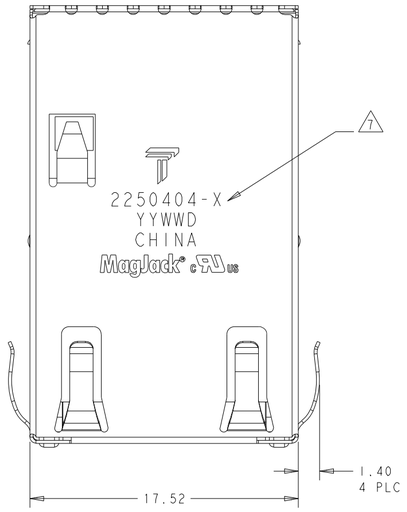
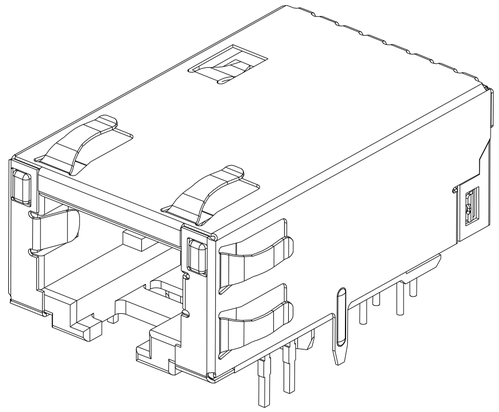
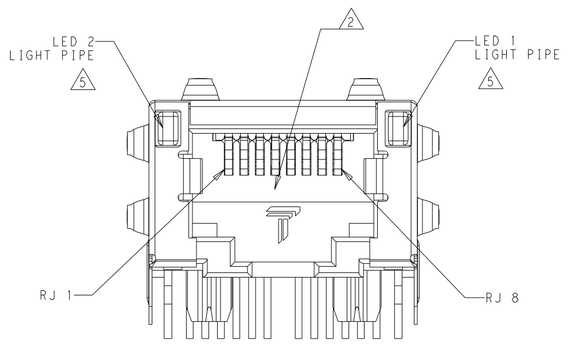
THIS DRAWING AND THE SUBJECT MATTER SHOWN THEREON ARE CONFIDENTIAL AND THE PROPERTY OF BEL/STEWART/TRP CONNECTOR AND SHALL NOT BE REPRODUCED, COPIED, OR USED IN ANY MANNER WITHOUT THE WRITTEN CONSENT OF TRP CONNECTOR.

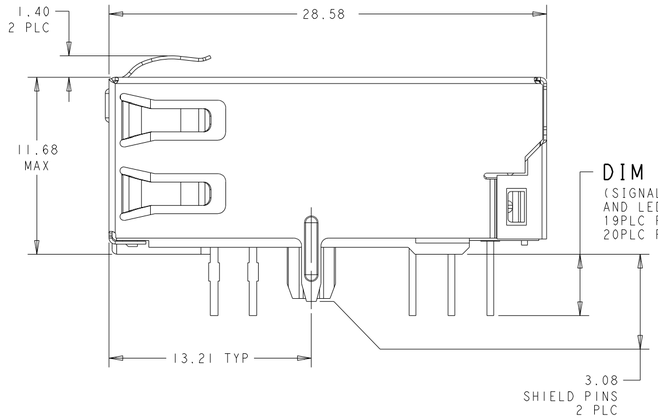
PRODUCT MAY BE PROTECTED BY ONE OR MORE OF THE FOLLOWING US PATENTS:
5736910 5939955 6425781 6428361 6554638 6840817 7123117
7429195 7717749 7808751 6217391 6149050 7924130

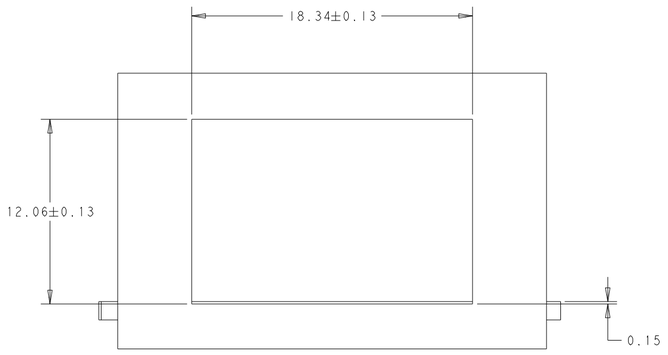
REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
	4	SEE LAST SHEET	13OCT2016	DP	TY

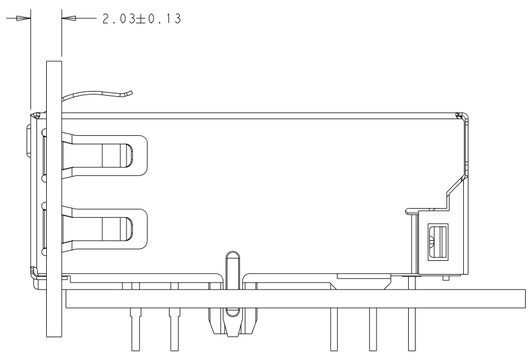












SUGGESTED PANEL CUTOUT

1. MATERIALS:
   - HOUSING: HIGH TEMPERATURE NYLON, BLACK, UL 94V-0
   - SHIELD: 0.20mm THICK, BRASS PREPLATED WITH 0.76 um MIN SEMI-BRIGHT NICKEL; POST-DIPPED WITH 2 um MIN TIN
   - CONTACT TAILS: 0.25mm THICK, PHOSPHOR BRONZE, 1.27 um MIN OVERALL NICKEL UNDERPLATE, WITH 1.27 MIN GOLD PLATING AT MATING INTERFACE, 3 um MIN TIN PLATE ON SOLDER TAILS
   - MOD JACK CONTACTS: 0.3mm THICK, PHOSPHOR BRONZE, 1.27 um MIN OVERALL NICKEL UNDERPLATE, WITH 1.27 um MIN LOCALIZED GOLD PLATE AT PLUG INTERFACE
   - LIGHT EMITTING DIODE (LED): DIFFUSED EPOXY LENS, 0.5mm X 0.5mm CARBON STEEL WIREFRAME LEADS PREPLATED WITH 2.03um MIN. SILVER PLATE OVER 1.02um MIN. NICKEL OVER 1.02um MIN. COPPER UNDERPLATE; LEADS POST-PLATED WITH 3.05um MIN. MATTE TIN. DIPPED WITH 2 um MIN TIN
   - LIGHT PIPE: POLYETHER SULFONE

2. RJ45 JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS PART 68, SUB-PART F.

3. MAGNETICS:
   - APPLICATION: 1G/10G BASE-T
   - IMPEDANCE: 100 OHMS
   - TURNS RATIO (CHIP:CABLE): 1:1 ALL FOUR PAIRS
   - OPEN CIRCUIT INDUCTANCE (OCL): 120 uH MIN @ 100kHz, 0.1VRMS, 8mA DC 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 FOR 60 SECONDS WITH A RISE TIME OF 500V/SEC,

4. OPERATING TEMPERATURE: FROM 0°C TO 70°C

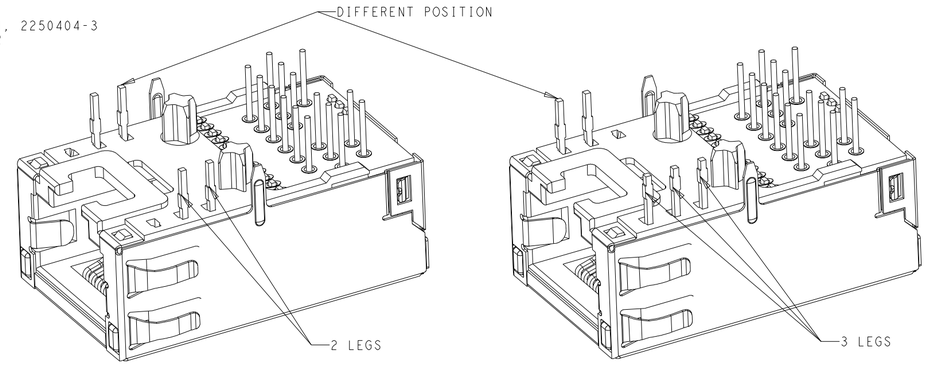
5. LIGHT PIPES ARE USED TO TRANSMIT LIGHT OF LED.
   LEDS ARE DRIVEN WITH CONSTANT CURRENT AT APPROX 20mA.
   LED COLOR: DOMINANT WAVELENGTH (λD): GREEN 568nm TYP. at IF=20mA
   FORWARD VOLTAGE (VF): GREEN 2.2V TYP. at IF=20mA
   DOMINANT WAVELENGTH (λD): YELLOW 588nm TYP. at IF=20mA
   FORWARD VOLTAGE (VF): YELLOW 2.1V TYP. at IF=20mA

6. ALL DIMENSIONS ARE NOMINAL UNLESS OTHERWISE NOTED.

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

8. THE PARTS COMPLIANTS TO WAVE SOLDERING PROCESS, PREHEAT TEMPERATURE IS 120°C TO 160°C, 120 SECONDS TO 180 SECONDS, PEAK SOLDERING TEMPERATURE IS 260°C MAX, 10 SECONDS MAX

9. THE PART COMPLIANT TO IR REFLOW SOLDERING PROCESS, PEAK SOLDERING TEMPERATURE 260°C MAX, DURATION TIME 10 SECONDS MAX, OVER 230°C WITHIN 40-60 SECONDS.



2250404-1
2250404-3

2250404-2

PACKAGE METHOD	SOLDERING PROCESS	DIM A	LED 2		LED 1			PART NO.
			20 → 21	20 → 19	19 → 20	18 → 17	17 → 16	
TRAY	REFLOW 9	4.00	--	YELLOW	GREEN	--	GREEN	2250404-3
TRAY	WAVE 8	2.29	GREEN	YELLOW	--	GREEN	--	2250404-2
TRAY	WAVE 8	4.00	--	YELLOW	GREEN	--	GREEN	2250404-1

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

DIMENSIONS: mm

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

PRODUCT SPEC: 108-104004
APPLICATION SPEC: -

DWN 25APR2016 DALE PAN / FRANK LIU
CHK 25APR2016 TOWER YU / BILL LIU
APVD 25APR2016 TONY YUAN

trp CONNECTOR a bel group — DONGGUAN CHINA

MODEL NAME: MAGJACK SINGLE NON-POE

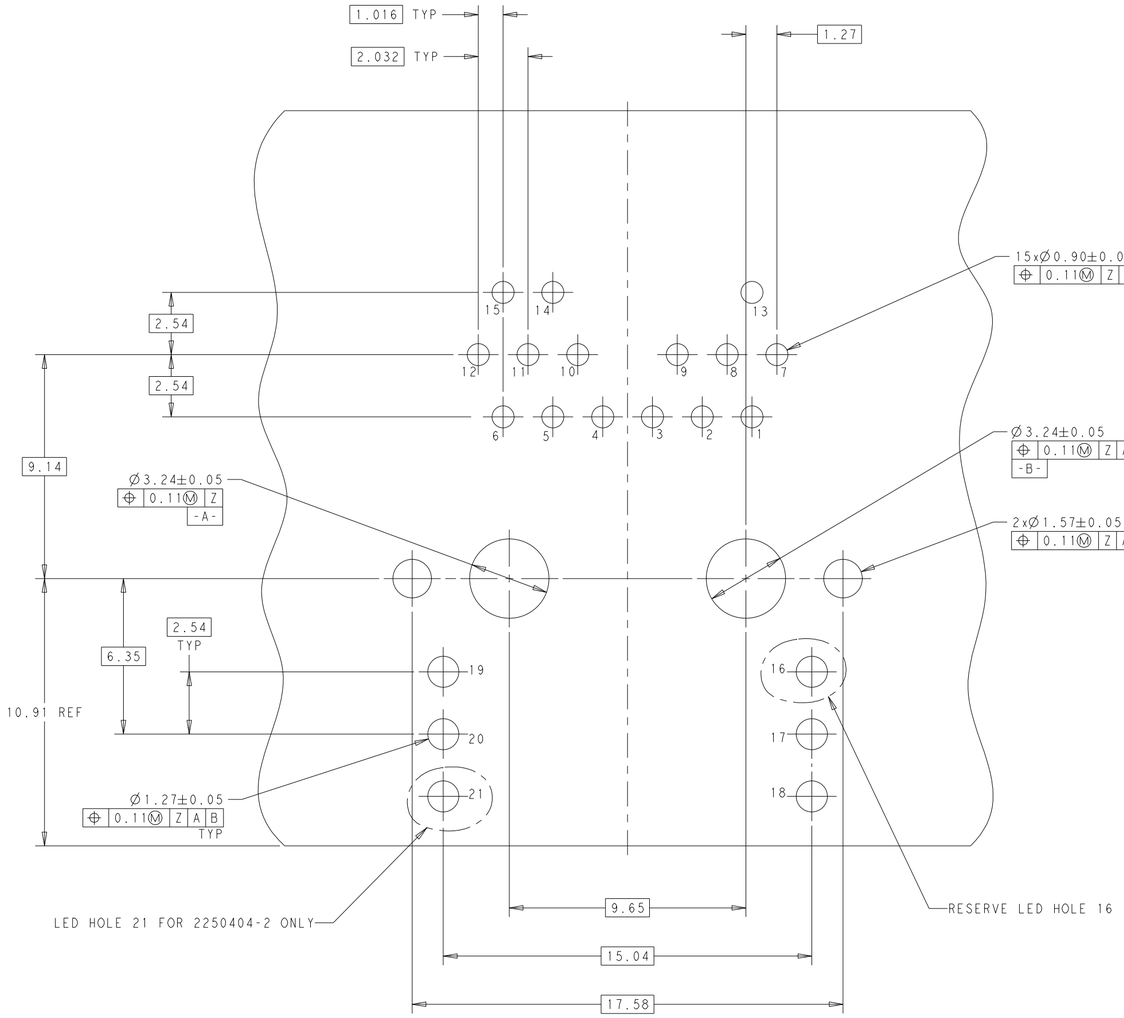
DESC: 1X1 10G ITG23 TAB DOWN LOW PROFILE W/ LED

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A1		C=2250404	-

CUSTOMER DRAWING | SCALE 5:1 | SHEET 1 OF 3 | REV 4

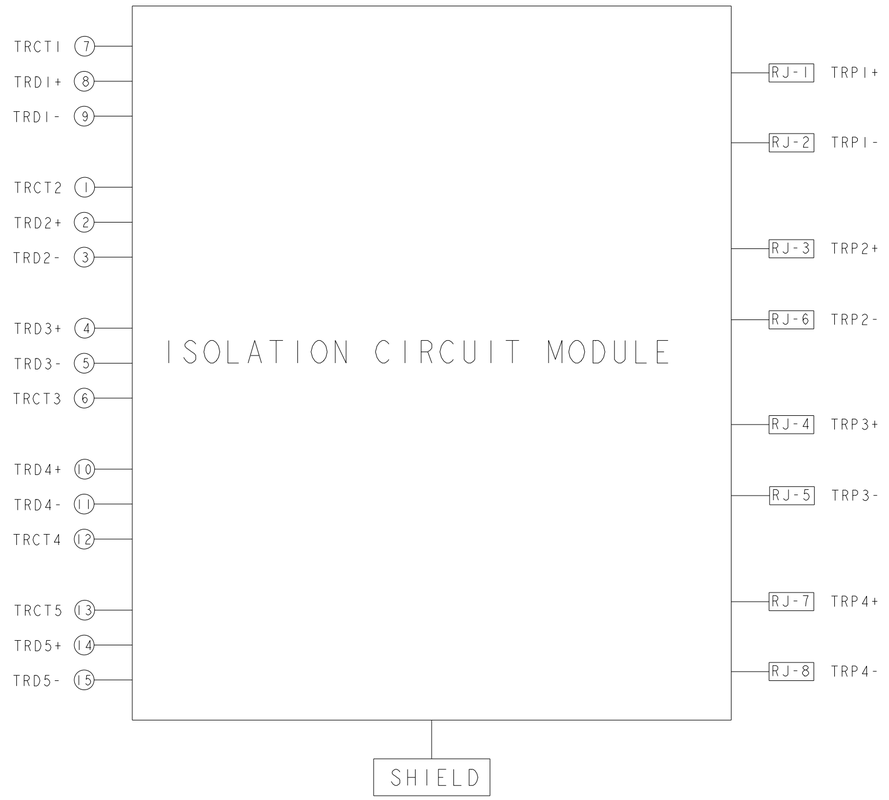
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SUGGESTED PCB LAYOUT
(COMPONENT SIDE)

1TG23 10G BASE-T CIRCUIT △3



THIS DRAWING IS A CONTROLLED DOCUMENT. AND COMPLIANT TO ASME Y14.5M	DWN 25APR2016 DALE PAN / FRANK LIU	trp CONNECTOR a bel group	DONGGUAN CHINA
DIMENSIONS: mm	CHK 25APR2016 TOWER YU / BILL LIU		
TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ±0.25, 1 PLC ±0.25, 2 PLC ±0.25, 3 PLC ±-, 4 PLC ±-, ANGLES ±-	APVD 25APR2016 TONY YUAN	DESC	IX1 10G ITG23 TAB DOWN LOW PROFILE W/ LED
PRODUCT SPEC 108-104004	APPLICATION SPEC -	MODEL NAME MAGJACK SINGLE NON-POE	SIZE A1 / CAGE CODE / DRAWING NO C-2250404 / RESTRICTED TO -
		CUSTOMER DRAWING	SCALE 5:1 / SHEET 2 OF 3 / REV 4

xxxxx

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C_2250404

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REVISION HISTORY

DATE	REV	CHANGES	REASON	APPROVAL
25APR2016	1	INITIAL RELEASE	-	TONY YUAN
27APR2016	2	SHEET 1, C7~C8, EXCHANGED SEQUENCE FOR LED 1&2	MARKET REQUEST	TONY YUAN
13SEP2016	3	ADD DASH NUMBER 2250404-2	MARKET REQUEST	TONY YUAN
13OCT2016	4	ADD DASH NUMBER 2250404-3	MARKET REQUEST	TONY YUAN

STOCK DISPOSITION

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

INVENTORY (A,B,C,D,E,F)	WORK IN PROCESS (A,B,C,F)	SUPPLIER ORDERS (A,E,F)	OPEN CUST ORDERS (A,E,F)
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

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

DIMENSIONS: mm

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

PRODUCT SPEC: 108-104004
APPLICATION SPEC: -

DWN 25APR2016 DALE PAN / FRANK LIU
CHK 25APR2016 TOWER YU / BILL LIU
APVD 25APR2016 TONY YUAN

trp CONNECTOR a bel group
DONGGUAN CHINA

MODEL NAME: MAGJACK SINGLE NON-POE

DESC: 1X1 10G ITG23 TAB DOWN LOW PROFILE W/ LED

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A1		C-2250404	-

CUSTOMER DRAWING | SCALE 5:1 | SHEET 3 OF 3 | REV 4

xxxxx