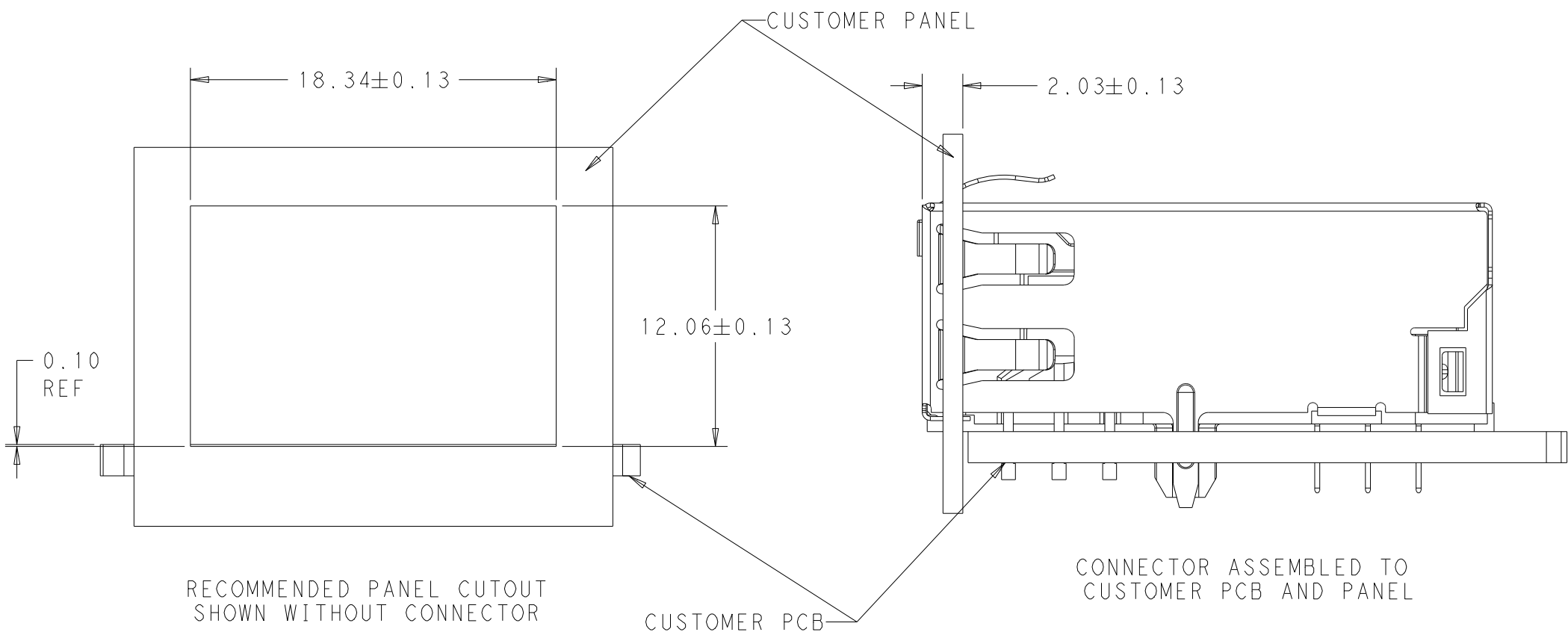
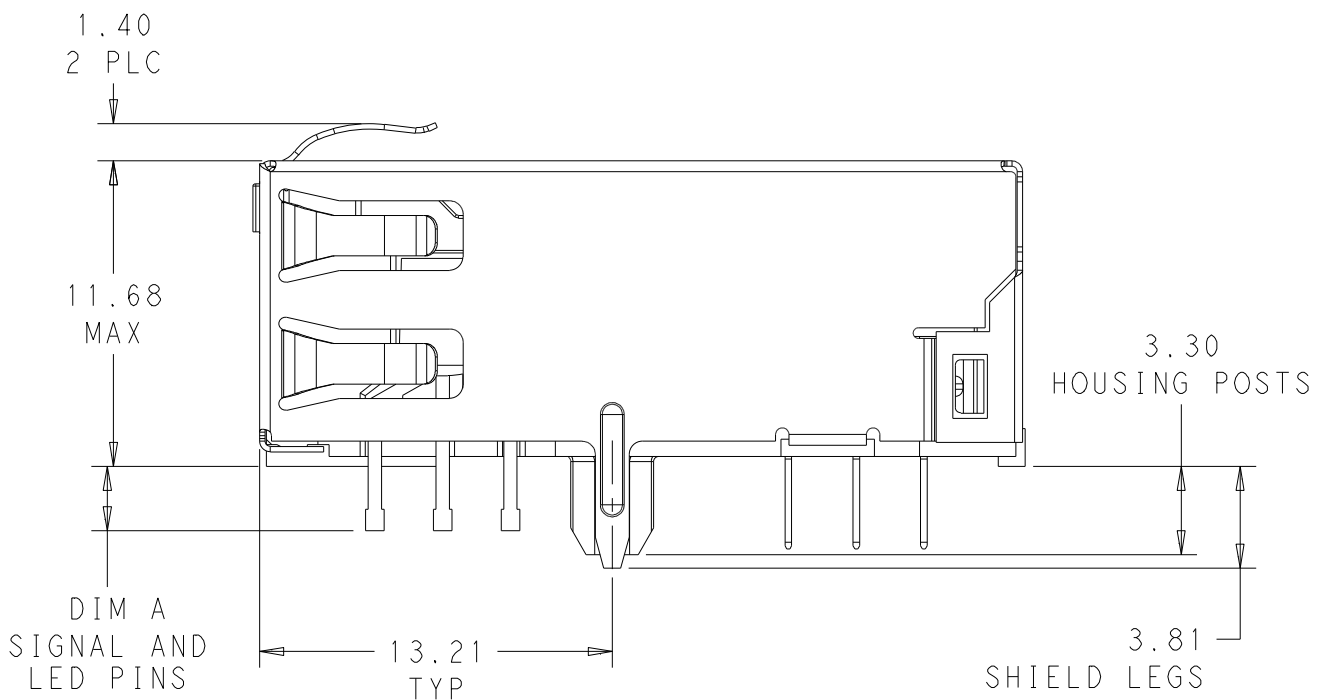
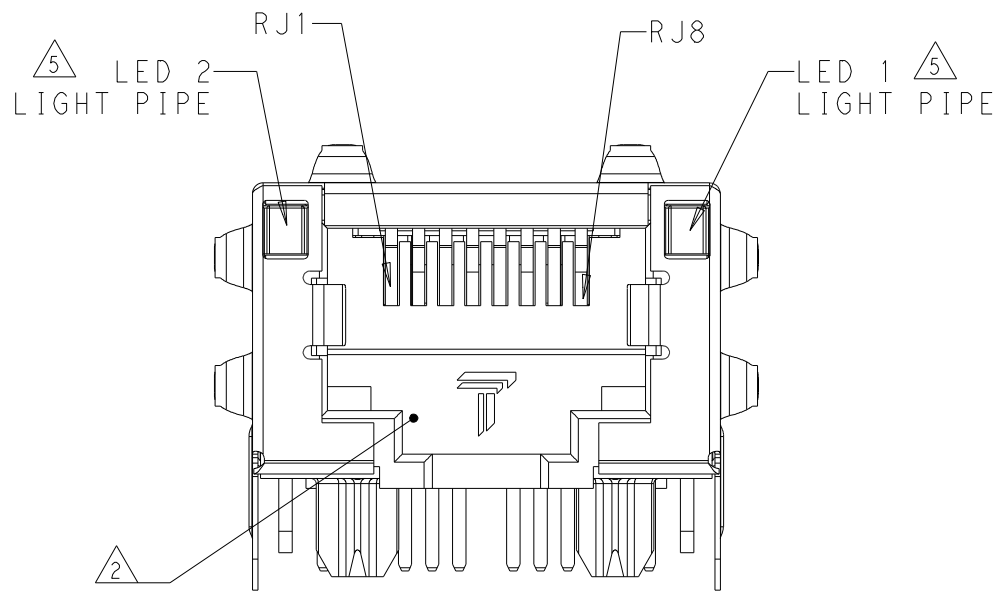
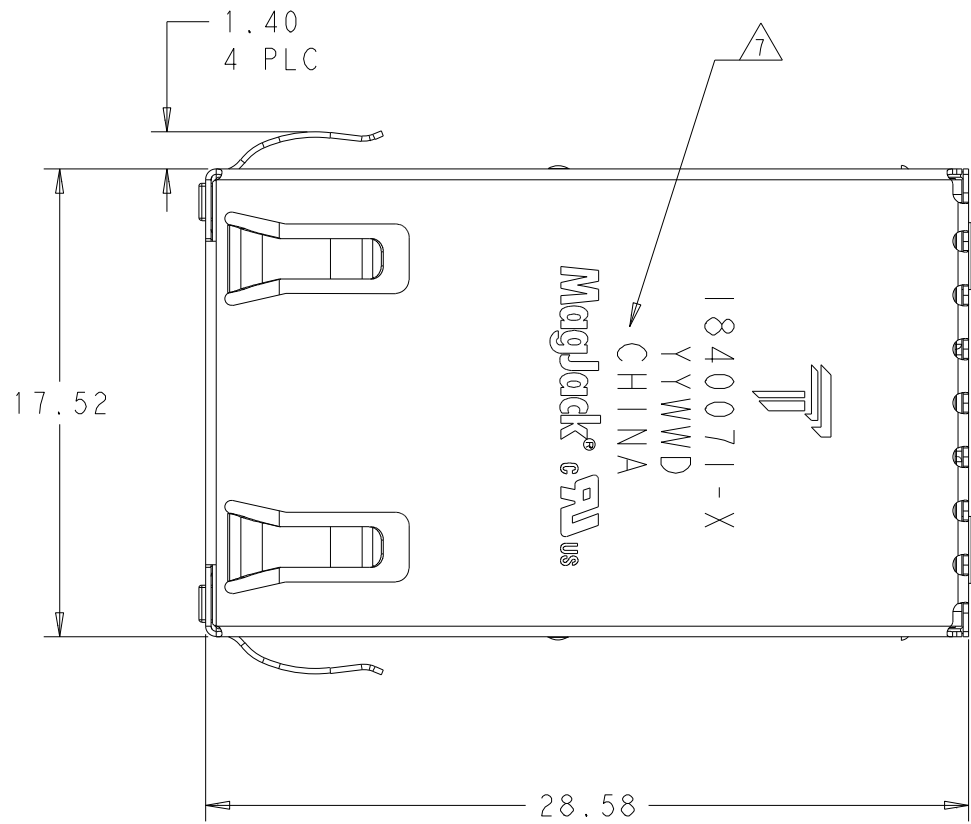
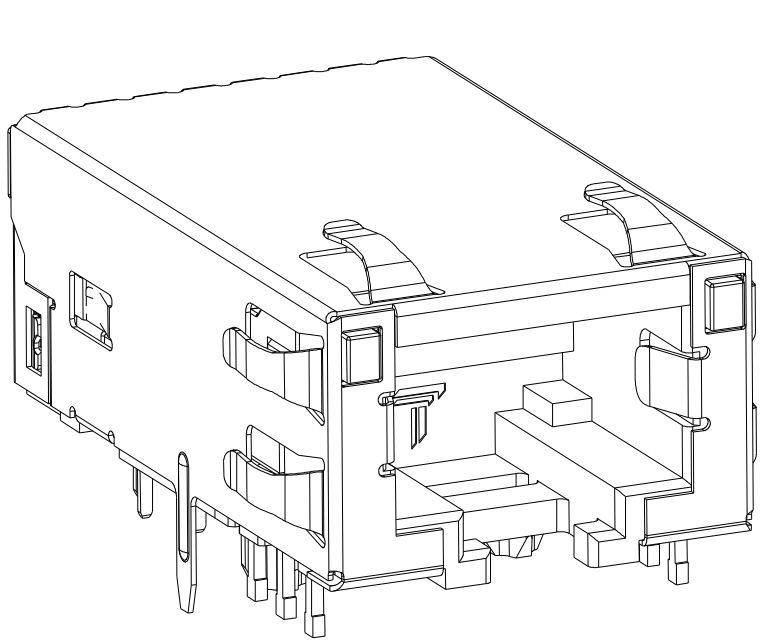


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PRODUCT MAY BE PROTECTED BY ONE OR MORE OF THE FOLLOWING US PATENTS:
5736910 5939955 6425781 6428361 6554638 6840817 7123117
7429195 7717749 7808751 6217391 6149050 7924130

REVISIONS				
P	LTR	DESCRIPTION	DATE	OWN APVD
6		SEE LAST SHEET	19DEC2014	RL TY



1. MATERIALS:
-HOUSING: HIGH TEMPERATURE NYLON, BLACK, UL 94V-0
-SHIELD: 0.20mm THICK, BRASS PREPLATED WITH 0.76um MIN SEMI-BRIGHT NICKEL; POST-DIPPED WITH 2um MIN SAC ALLOY LEAD FREE SOLDER
-CONTACT TAILS: 0.25mm THICK, PHOSPHOR BRONZE, 1.27um MIN OVERALL NICKEL UNDERPLATE, 3um MIN TIN PLATE
-MOD JACK CONTACTS: 0.3mm THICK, PHOSPHOR BRONZE, 1.27um MIN OVERALL NICKEL UNDERPLATE, WITH 1.27um MIN LOCALIZED GOLD PLATE AT PLUG INTERFACE
-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): 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 FOR 60 SECONDS WITH A RISE TIME OF 500V/SEC

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

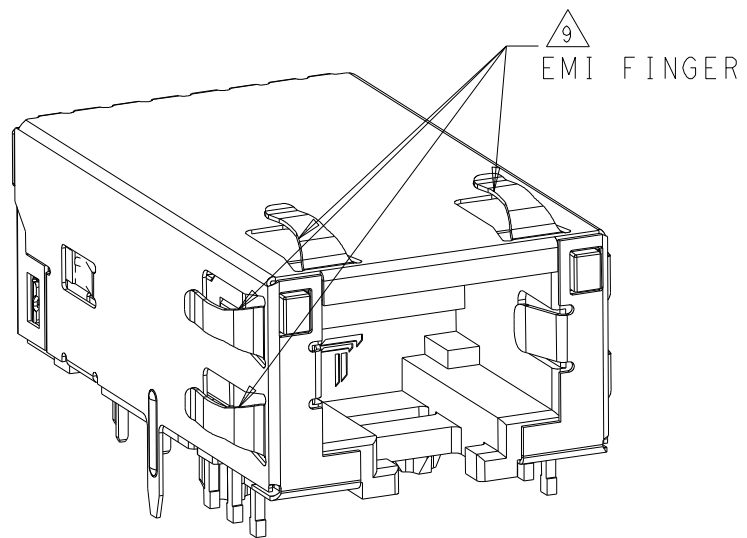
- 5 LIGHT PIPES ARE USED TO TRANSMIT LIGHT OF LED.
LEDs ARE DRIVEN WITH CONSTANT CURRENT AT APPROX 20mA.
LED COLOR: DOMINANT WAVELENGTH (λD): GREEN 567nm TYP. at IF=20mA
FORWARD VOLTAGE (VF): GREEN 2.2V TYP. at IF=20mA
DOMINANT WAVELENGTH (λD): YELLOW 587nm TYP. at IF=20mA
FORWARD VOLTAGE (VF): YELLOW 2.1V TYP. at IF=20mA
DOMINANT WAVELENGTH (λD): AMBER 607nm TYP. at IF=20mA
FORWARD VOLTAGE (VF): AMBER 2.1V TYP. at IF=20mA

6. ALL DIMENSIONS ARE NOMINAL UNLESS OTHERWISE NOTED.

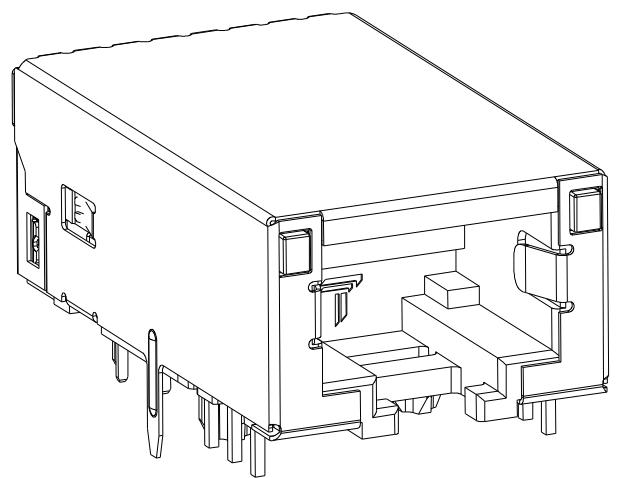
7 TRP CONNECTOR LOGO, PART NUMBER, DATE CODE, COUNTRY OF ORIGIN, AND AGENCY APPROVAL MARKING IN APPROXIMATE LOCATION SHOWN, DATE CODE: YYWWD WHERE YY IS YEAR, WW IS WORK WEEK, D IS DAY OF WEEK, WITH SUNDAY=1.

8 PART SHOULD BE RECOMMENDED FOR WAVE SOLDERING PROCESS ONLY, PREHEAT TEMPERATURE IS 120°C TO 160°C, 120 SECONDS TO 180 SECONDS, PEAK SOLDERING TEMPERATURE IS 260°C MAX, 10 SECONDS MAX.

9 EMI FINGER IS OPTIONAL.

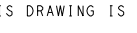


FOR 1840071-1 1840071-2
1840071-3



FOR 1840071-4

TRAY	WAVE 8	NO 9	GREEN/YELLOW	GREEN/YELLOW	3.18	1840071-4
TRAY	WAVE 8	YES 9	GREEN/YELLOW	GREEN/YELLOW	3.18	1840071-3
TRAY	WAVE 8	YES 9	GREEN/YELLOW	GREEN/YELLOW	2.30	1840071-2
TRAY	WAVE 8	YES 9	GREEN/AMBER	GREEN/AMBER	3.18	1840071-1
PACKAGE METHOD	SOLDER PROCESS	EMI FINGER	LED 2	LED 1	DIM A	PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.		OWN TOM HSU / 26MAR2012		 trp CONNECTOR a bel group		DONGGUAN CHINA	
DIMENSIONS: mm		CHK TERRY TANG / 26MAR2012					
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD TONY YUAN		MODEL NAME		DESC	
0 PLC ±0.25				MAGJACK		1X1 8TG113 10G	
1 PLC ±0.25				TAB DOWN LOW PROFILE W/ LED			
2 PLC ±0.25				SIZE CAGE CODE DRAWING NO			
3 PLC ±0.25				A1 C=1840071			
4 PLC ±				RESTRICTED TO			
ANGLES		APPLICATION SPEC		SINGLE Non-PoE		-	
PRODUCT SPEC		CUSTOMER DRAWING		SCALE 5:1		SHEET 1 OF 4 REV 6	

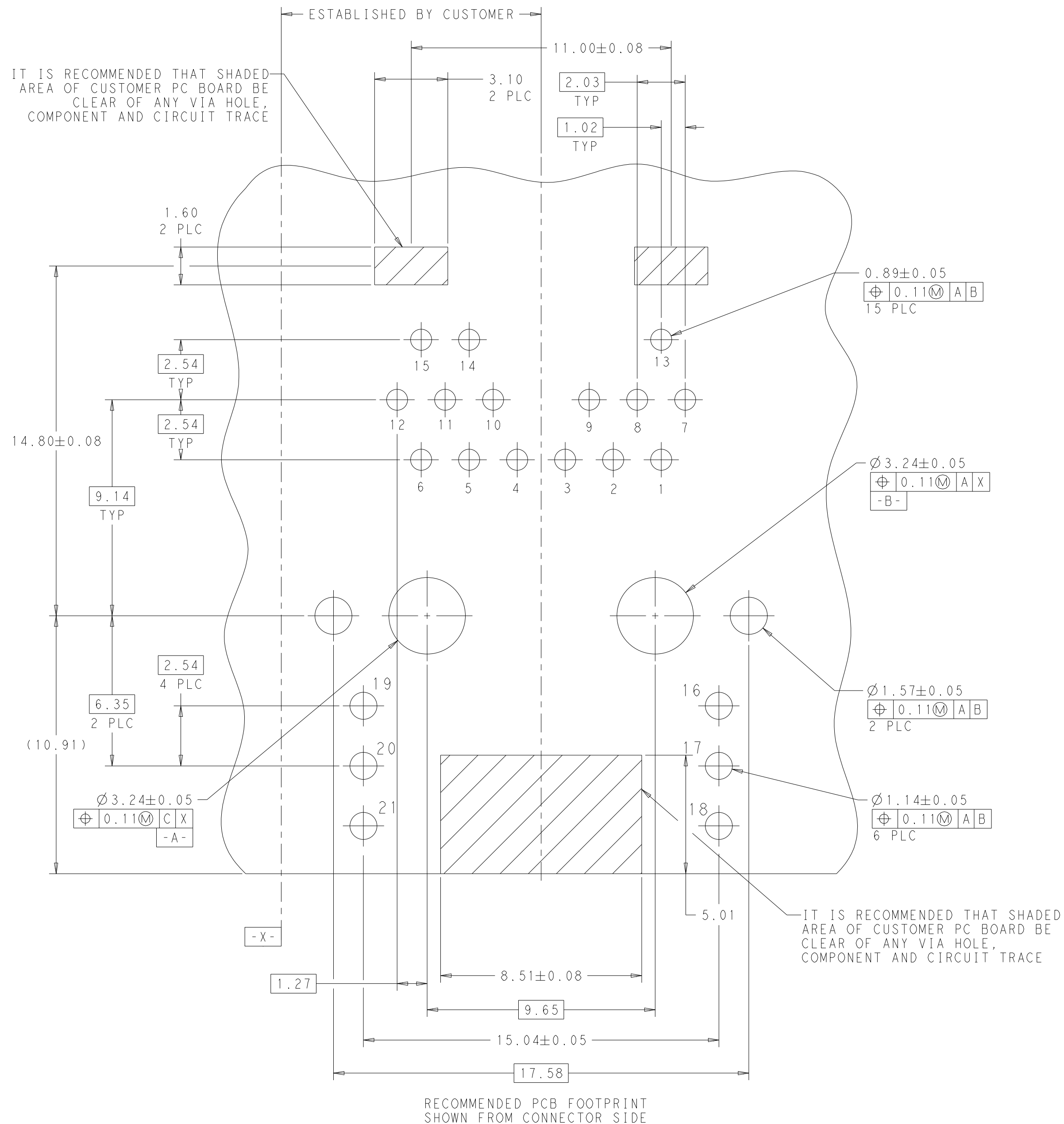
D

C

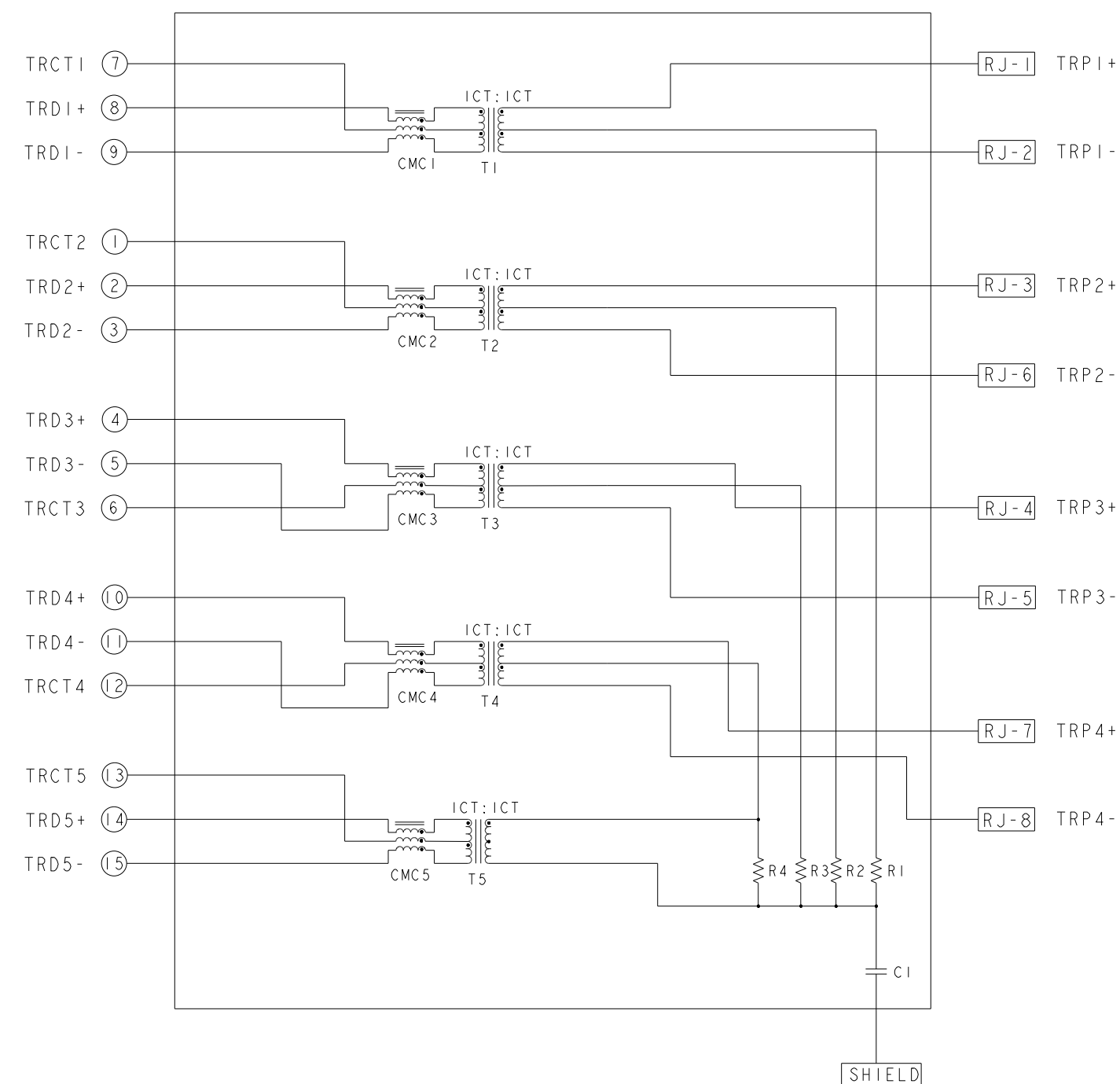
B

A

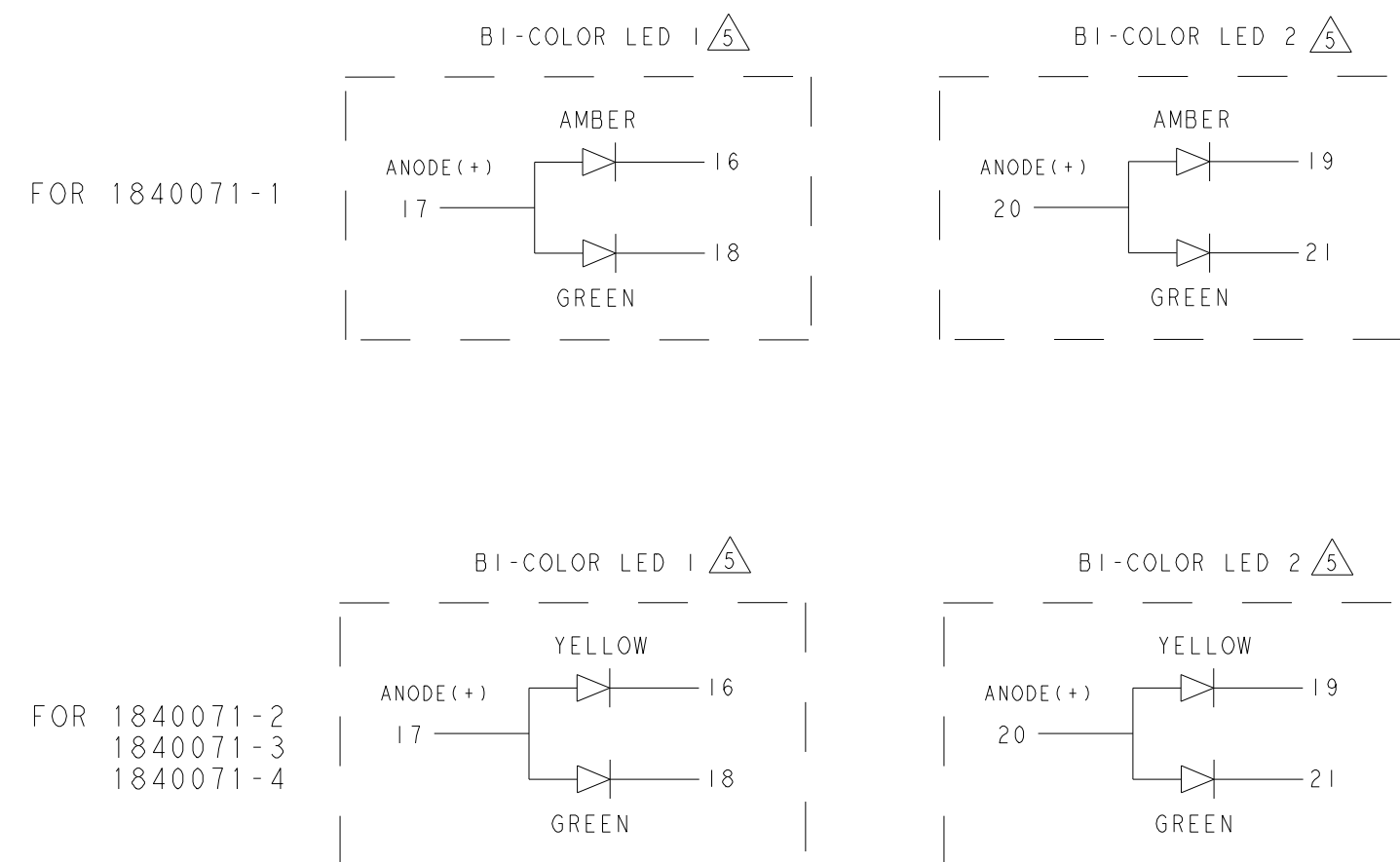
IT IS RECOMMENDED THAT SHADED AREA OF CUSTOMER PC BOARD BE CLEAR OF ANY VIA HOLE, COMPONENT AND CIRCUIT TRACE



8TG113 10G BASE-T CIRCUIT



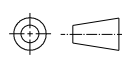
R1-R3: 75 ohms, 1/10W
R4: 300 ohms, 1/10W
CI: 1nF, 2KV

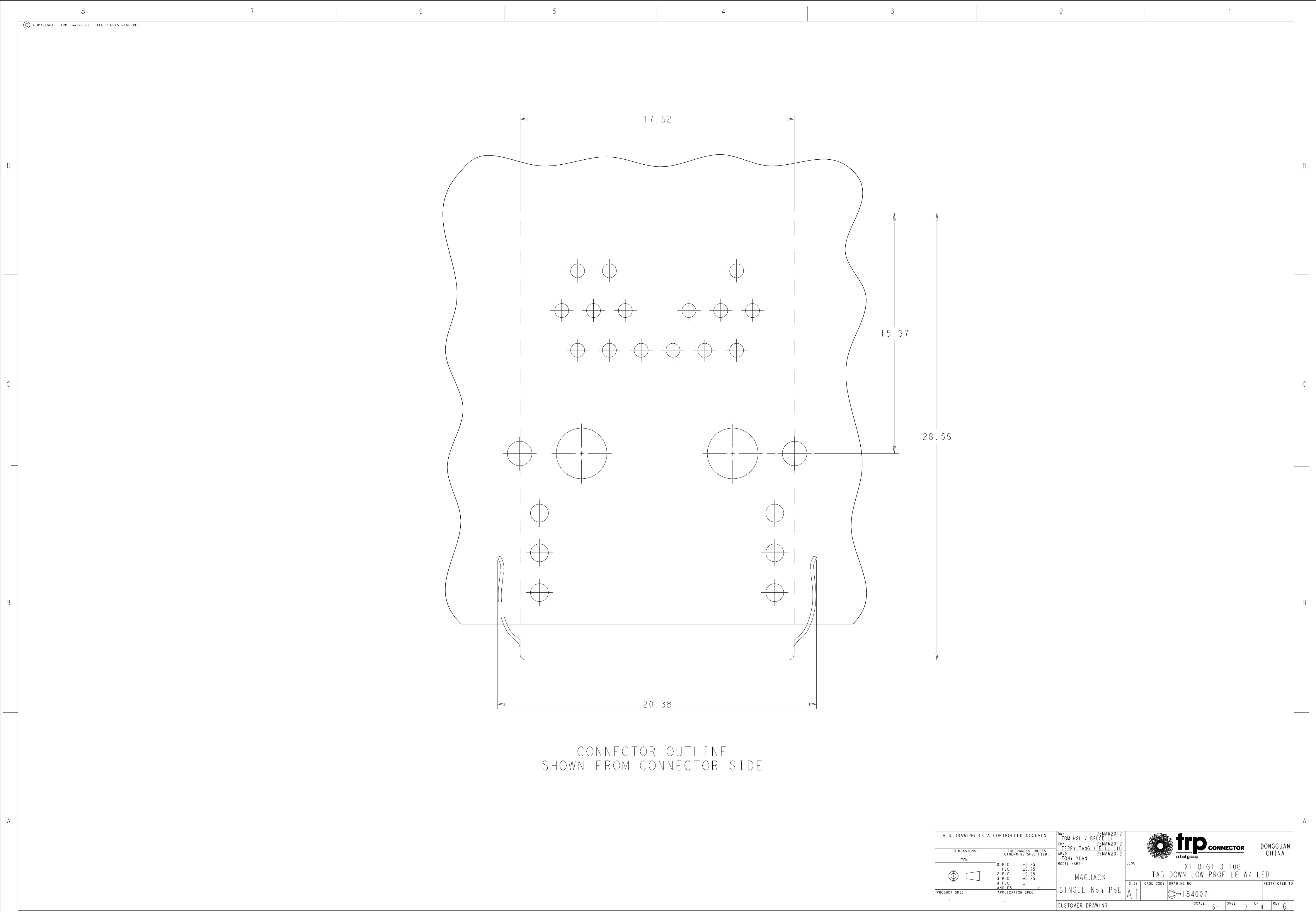


C

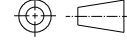
B

A

THIS DRAWING IS A CONTROLLED DOCUMENT.		OWN TOM HSU / BRUCE LI 26MAR2012	 trp CONNECTOR a bel group	DONGGUAN CHINA	
DIMENSIONS:		CHK TERRY TANG / BILL LIU 26MAR2012			
mm		APVD TONY YUAN 26MAR2012			
		MODEL NAME MAGJACK		DESC 1X1 8TG113 10G TAB DOWN LOW PROFILE W/ LED	
PRODUCT SPEC		APPLICATION SPEC	SINGLE Non-PoE	SIZE A1	RESTRICTED TO -
CUSTOMER DRAWING		SCALE 5:1	SHEET 2	OF 4	REV 6



CONNECTOR OUTLINE
SHOWN FROM CONNECTOR SIDE

THIS DRAWING IS A CONTROLLED DOCUMENT.		OWN TOM HSU / 26MAR2012			DONGGUAN CHINA						
DIMENSIONS:		CHK TERRY TANG / 26MAR2012									
mm		APVD TONY YUAN / 26MAR2012									
	0 PLC	±0.25	MODEL NAME								
	1 PLC	±0.25	DESC								
	2 PLC	±0.25	TAB DOWN LOW PROFILE W/ LED								
	3 PLC	±0.25	SIZE								
PRODUCT SPEC		4 PLC	±	CAGE CODE	DRAWING NO	RESTRICTED TO					
		ANGLES	±	A1	C=1840071	-					
		APPLICATION SPEC	±								
CUSTOMER DRAWING				SCALE	5:1	SHEET	3	OF	4	REV	6

1840071					STOCK DISPOSITION			
					A: CONTINUE AS IS		D: USE OLD FIRST	
					B: REWORK		E: PARTS TO CONFORM	
REVISION HISTORY					C: SCRAP		F: OTHER	
DATE	REV	CHANGES	REASON	APPROVAL	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)
01JUL2013	4	CHANGE COMPANY LOGO	MARKET REQUEST	TONY YUAN	-	-	-	-
13JUN2014	5	SPECIFY LED1 AND LED2 FOR LED 1840071-2; CHANGE LED COLOR FROM GREEN/AMBER TO GREEN/YELLOW SUGGESTED CUSTOMER PCB: CHANGE LEDS HOLES FROM 1.14 TO 1.27	CUSTOMER REQUEST	TONY YUAN	-	-	-	-
19DEC2014	7	1. CHANGE LOGO 2. ADD 1840071-3 & 1840071-4	PRODUCT EXTENSION	TONY YUAN	-	-	-	-

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS:
mm

TOLERANCES UNLESS OTHERWISE SPECIFIED:

0 PLC ±0.25
1 PLC ±0.25
2 PLC ±0.25
3 PLC ±0.25
4 PLC ±0.25
ANGLES ±°
APPLICATION SPEC

OWN
TOM HSU / BRUCE LI
26MAR2012

CHK
TERRY TANG / BILL LIU
26MAR2012

APVD
TONY YUAN
26MAR2012

trp CONNECTOR
a bel group

DONGGUAN
CHINA

MODEL NAME
MAGJACK

DESC
1X1 8TG113 10G
TAB DOWN LOW PROFILE W/ LED

SIZE
A 1

CAGE CODE

DRAWING NO
C=1840071

RESTRICTED TO
-

PRODUCT SPEC
-

APPLICATION SPEC
-

SINGLE Non-PoE

CUSTOMER DRAWING

SCALE
5:1

SHEET
4

OF
4

REV
6