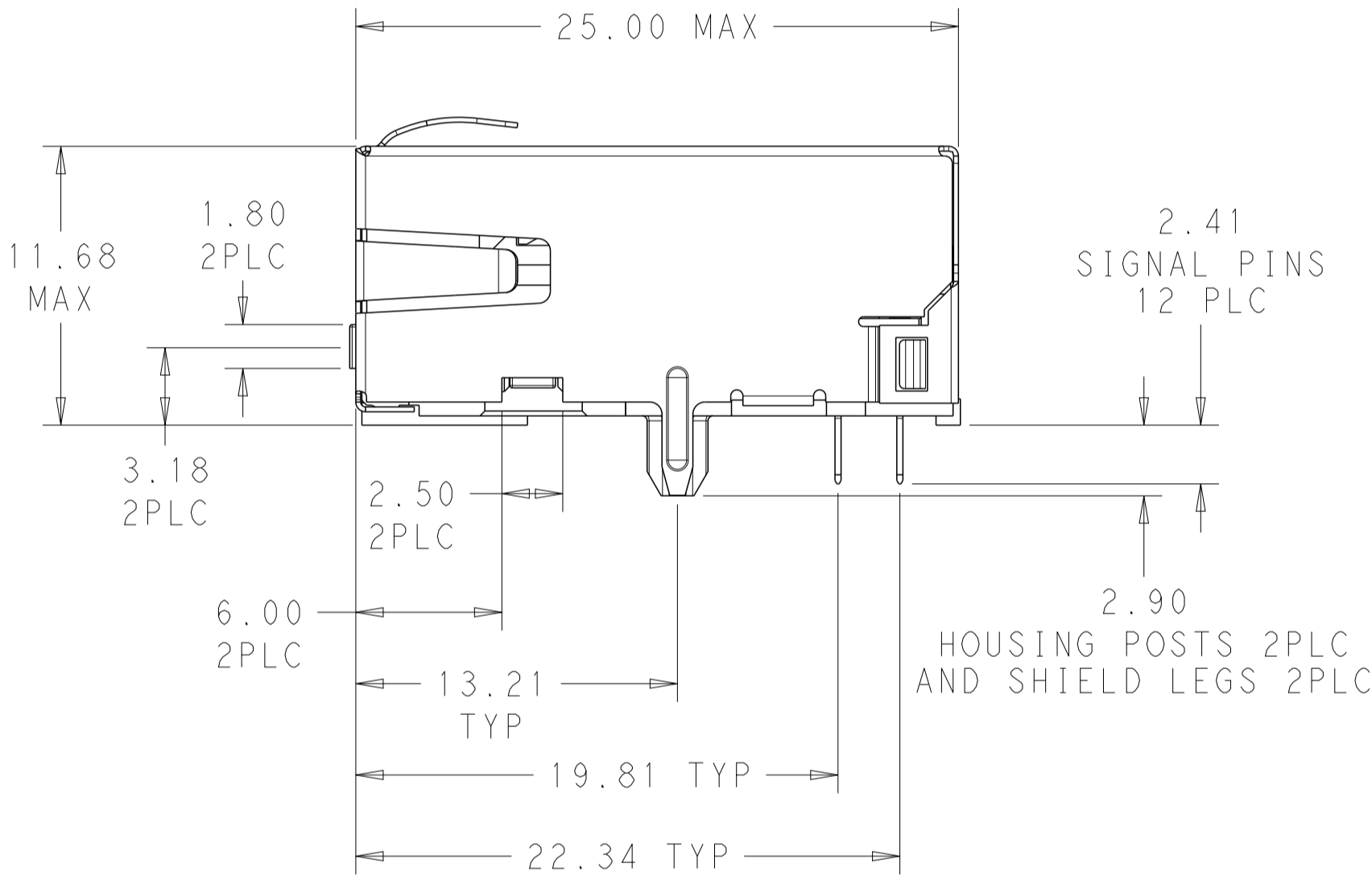
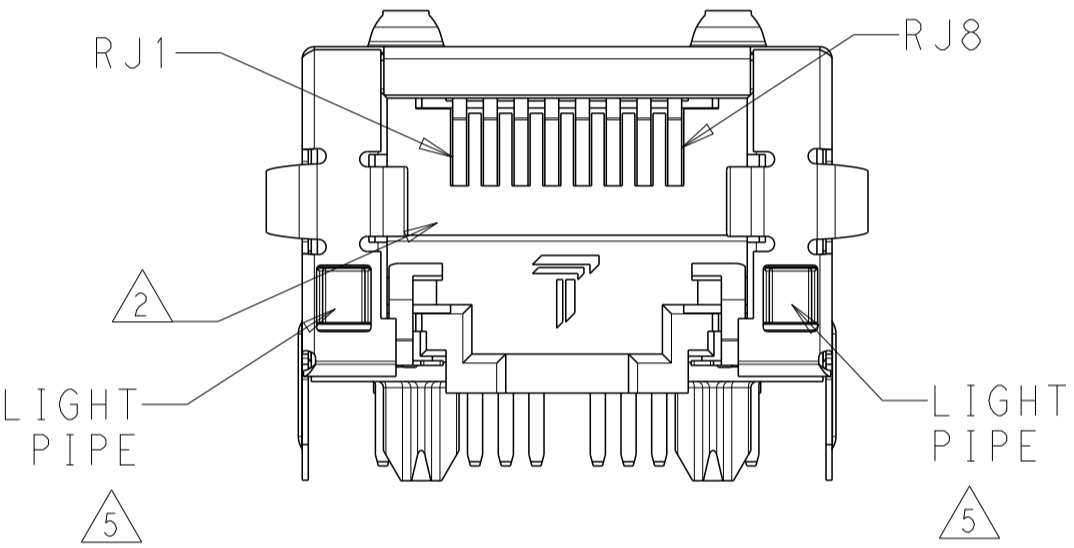
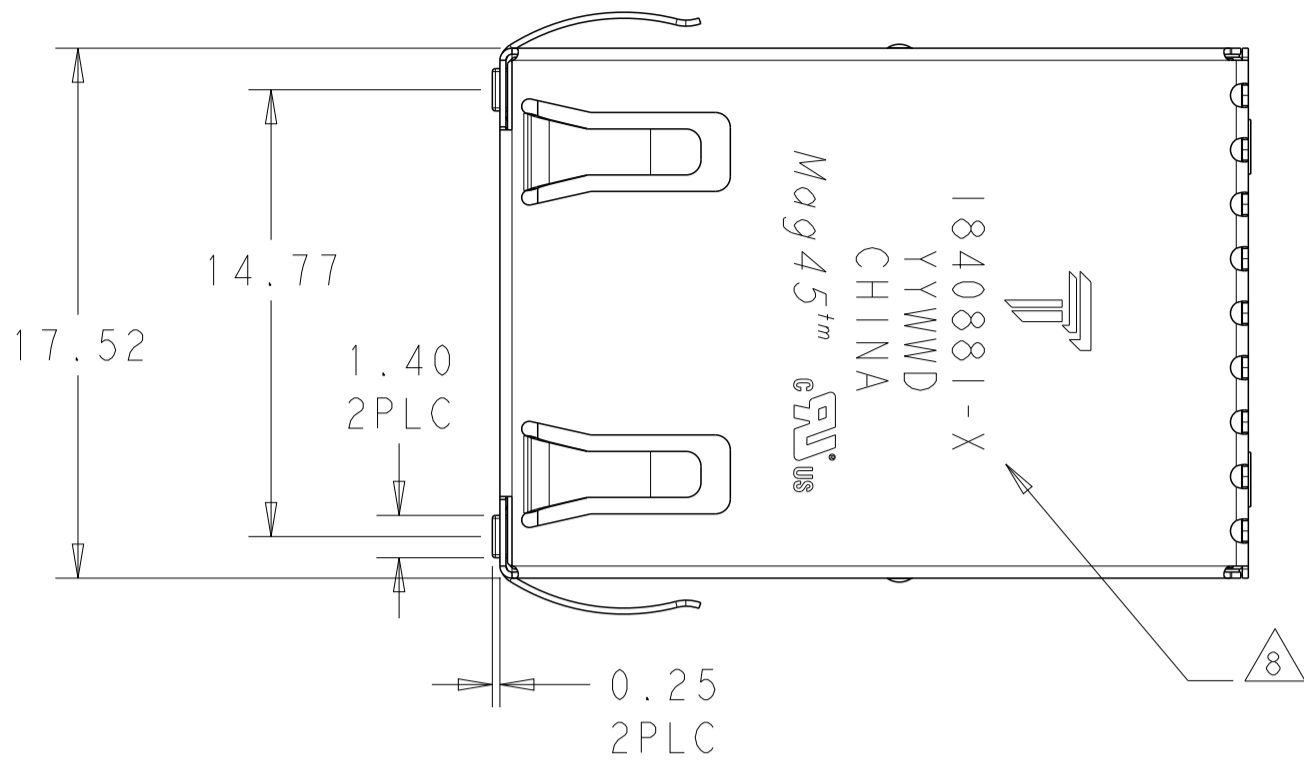
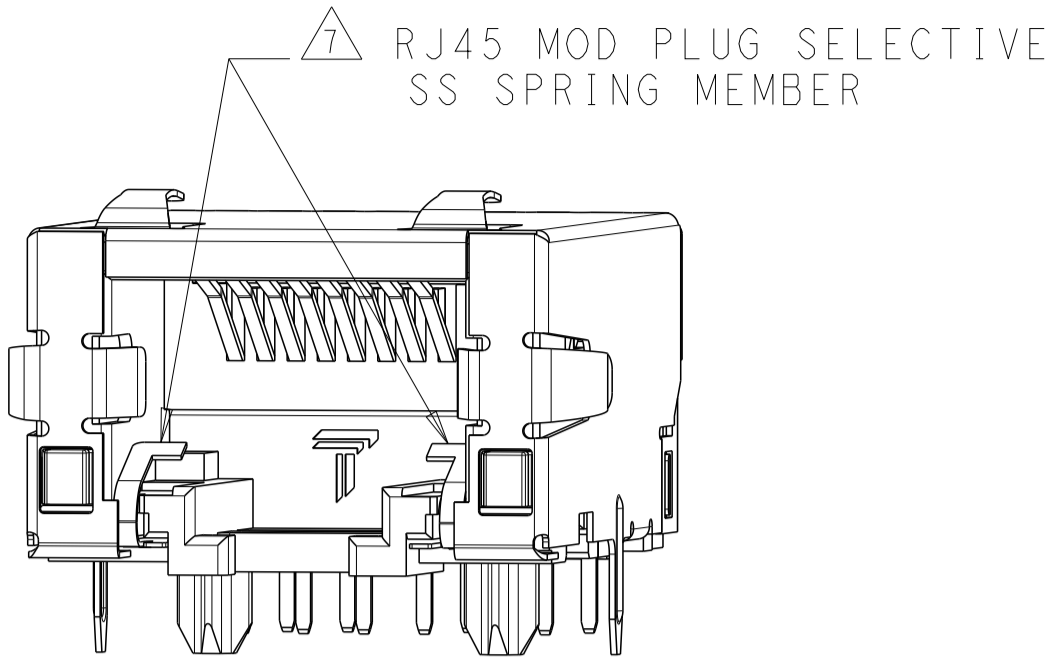
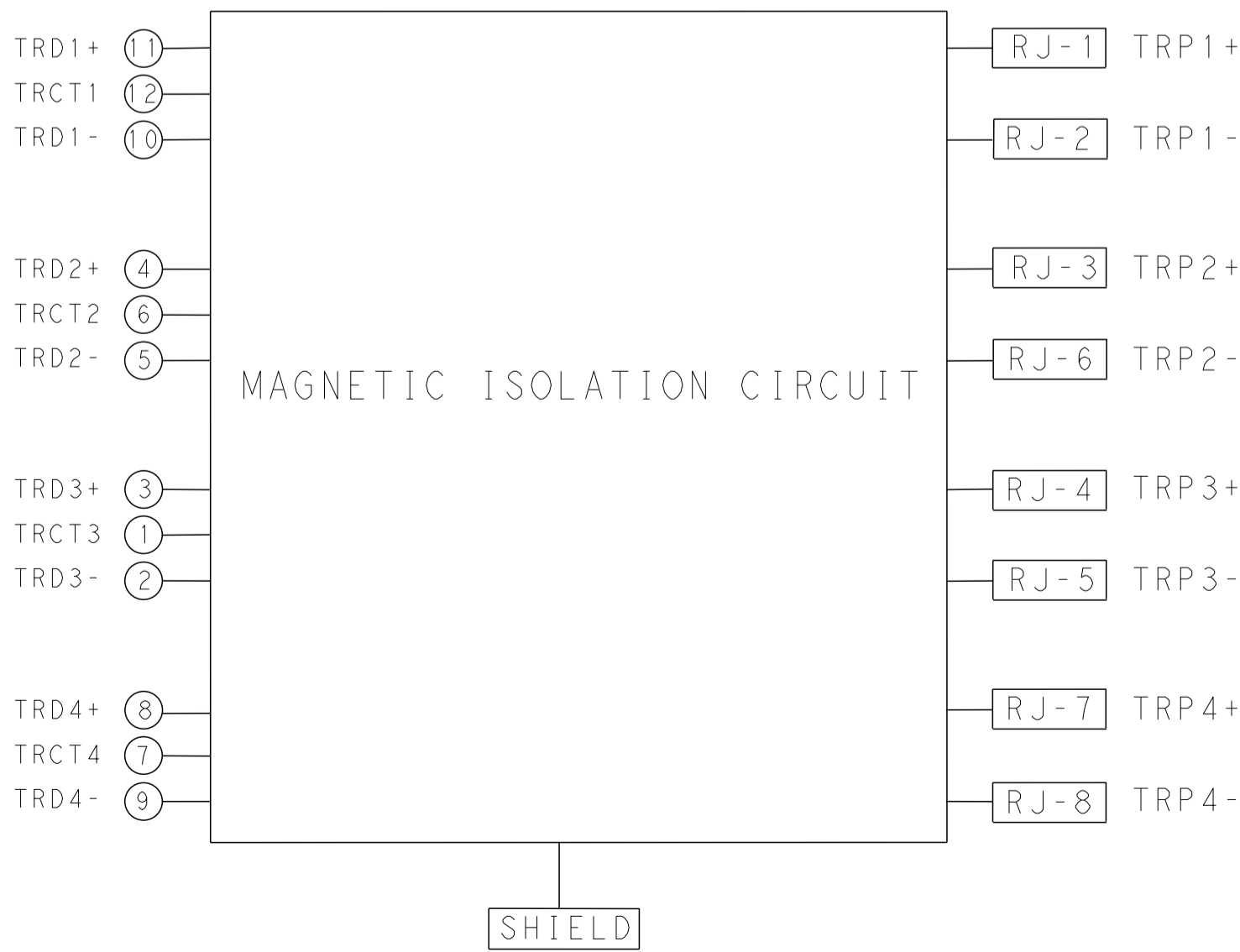


REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
14		LOGO CHANGE	06MAY2013	TY	KZ



8TG13 10 GIGABIT CIRCUIT 3 4



- 1 MATERIALS:
- HOUSING: HIGH TEMPERATURE NYLON, BLACK, UL 94V-0
  - SHIELD: 0.20mm THICK, BRASS PREPLATED WITH 0.76 μm MIN SEMI-BRIGHT NICKEL; POST-DIPPED WITH 2 μm MIN SAC 305 ALLOY LEAD FREE SOLDER (TIN PRIMARY, 3% SILVER, 0.5% COPPER)
  - CONTACT TAILS: 0.25mm THICK, PHOSPHOR BRONZE, 1.27 μm MIN OVERALL NICKEL UNDERPLATE, 3 μm MIN TIN PLATE
  - MOD JACK CONTACTS: 0.3mm THICK, PHOSPHOR BRONZE, 1.27 μm MIN OVERALL NICKEL UNDERPLATE, WITH A μm 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): 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 SMD LED'S MOUNTED ON CUSTOMER BOARD.

6. ALL DIMENSIONS ARE NOMINAL UNLESS OTHERWISE NOTED.


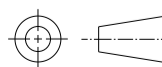
7 RJ45 MOD PLUG SELECTIVE - THIS CONNECTOR UTILIZES STEEL SPRING MEMBER WHICH PREVENTS THE INSERTION OF A RJ11 (6 POSITION) PLUG INTO THE JACK PORT, WHILE ALLOWING A RJ45 ( 8 POSITION) PLUG TO MATE FREELY.

WARNING: THIS FEATURE WAS DEVELOPED FOR TYPICAL PLUG INSERTION FORCES. EXCESSIVE INSERTION FORCE MAY OVERCOME THE SELECTIVE FEATURES AND DAMAGE THE CONNECTOR.

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

9. THIS PART IS RECOMMENDED FOR WAVE SOLDERING PROCESS, PEAK SOLDERING TEMPERATURE IS 260°C MAX, 10 SECONDS MAX.

1.27	W/O	1840881-3
0.76	W/	1840881-1 (SHOWN)
GOLD PLATING A		RJ11 PREVENTER 7 PART NO.

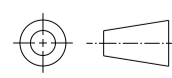
THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN DALE PAN 28OCT2010	 TRP connector Dongguan China					
DIMENSIONS:		CHK PAUL LUO 28OCT2010						
mm		APVD DENNIS CHEN 28OCT2010						
	0 PLC	±	0.25	PRODUCT SPEC	NAME 1 MAG45(TM), JACK, 8TG13 10GIGABIT SHIELDED, LEDS, TAB DOWN			
	1 PLC	±	0.25	APPLICATION SPEC				
	2 PLC	±	0.25	RESTRICTED TO				
MATERIAL		4 PLC ANGLES	±	1	SIZE A1	CAGE CODE C=1840881	DRAWING NO	RESTRICTED TO
FINISH		1	±	1				
RESTRICTED CUSTOMER				SCALE 4:1		SHEET 1 of 3		REV 14



1840881					STOCK DISPOSITION			
					A: CONTINUE AS IS		D: USE OLD FIRST	
					B: REWORK		E: PARTS TO CONFORM	
					C: SCRAP		F: OTHER	
REVISION HISTORY					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)
DATE	REV	CHANGES	REASON	APPROVAL				
28OCT2010	1	INITIAL RELEASE	-	DC	-	-	-	-
22NOV2010	2	SHEET 1, C5: INCREASED OVERALL LENGTH FROM 24.13 TO 27.58 SHEET 1, B3: REVISED THE LOWEST OPERATING TEMPERATURE FROM -40°C TO 0°C SHEET 1, A1: REVISED PINS LENGTH. SHEET 1, B7: REMOVED SOME REDUNDANT DIMENSIONS. SHEET 2, D5: UPDATED KEEP-OUT AREA.	OPTIMIZE DESIGN	DC	-	-	-	-
23NOV2010	3	SHEET 1, D3: ADDED OCL SPEC IN MAGNETICS PERFORMANCE.	DRAFT ERROR	DC	-	-	-	-
25NOV2010	4	SHEET 1, C5, UPDATED SIGNAL PINS AND SHIELD LEGS LENGTH. SHEET 1, A1, REMOVED SOME REDUNDANT DASH NUMBERS.	OPTIMIZE DESIGN	DC	-	-	-	-
22DEC2010	5	SHEET 1, C5, UPDATED PROFILE TOTAL LENGTH FROM 27.58 MAX TO 25.00 MAX SHEET 1, B4, UPDATED PINOUTS LENGTH SHEET 2, B5~D5, UPDATED KEEPOUT AREA	CUSTOMER REQUIREMENT	DC	-	-	-	-
18MAR2011	6	SHEET 1, D3, MOVE THE DETAIL MAGNETICS PERFORMANCE TO A SEPARATE SHEET.	MARKET REQUIREMENT	DC	-	-	-	-
09MAR2011	7	SHEET 1, C7, INCREASED ONE ADDITION EMI FINGER AT TOP, LEFT, AND RIGHT SIDES. SHEET 1, D3, CHANGED CONTACT LEADFRAME THICK FROM 0.25mm TO 0.3mm.	OPTIMIZE DESIGN	DC	-	-	-	-
19MAR2011	8	SHEET 1, C7, CHANGED BACK EMI FINGER QUANTITY SHEET 1,2,3, A1, UPDATED LOGO	CUSTOMER REQUIREMENT TE CONNECTIVITY REQUIREMENT	KZ	-	-	-	-
18JUL2011	9	DRAWING IS RESTRICTED TO TE CONNECTIVITY SHEET 1, D5, CHANGED THE LOGO MARKING SHEET 2, C7, Ø3.375±0.025 WAS CHANGED TO Ø2.9±0.05	OPTIMIZE DESIGN	KZ	-	-	-	-
14DEC2011	10	SHEET 1, D4, REMOVED OCL REQUIREMENT TO SEPARATE SHEET SHEET 2, B8, ADDED THE REFERENCE DIMENSION 10.91	OPTIMIZE DESIGN	KZ	-	-	-	-
24FEB2012	11	SHEET 1, A1, ADDED THE OPTION 1840881-3	CUSTOMER REQUIREMENT	KZ	-	-	-	-
14MAR2012	12	SHEET 1, A2, CHANGE THE PLATING OF 1840881-3	CUSTOMER REQUIREMENT	KZ	-	-	-	-
16AUG2012	13	SHEET 1, D4, ADDED OCL REQUIREMENT	CUSTOMER REQUIREMENT	TY	-	-	-	-
06MAY2013	14	LOGO CHANGE	MARKET REQUEST	KZ	-	-	-	-

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS:  
mm




TOLERANCES UNLESS  
OTHERWISE SPECIFIED:

0 PLC ±.25  
1 PLC ±0.25  
2 PLC ±0.25  
3 PLC ±0.25  
4 PLC ±.  
ANGLES ±1  
FINISH

DWN DALE PAN 28OCT2010  
CHK PAUL LUO 28OCT2010  
APVD DENNIS CHEN 28OCT2010

PRODUCT SPEC  
APPLICATION SPEC  
WEIGHT

RESTRICTED CUSTOMER

TRP connector  
Dongguan China

NAME 1 MAG45(TM), JACK, 8TG13 10GIGABIT SHIELDED, LEDS, TAB DOWN

SIZE A 1

CAGE CODE

DRAWING NO C=1840881

RESTRICTED TO

SCALE 4:1

SHEET 3 OF 3

REV 1.4