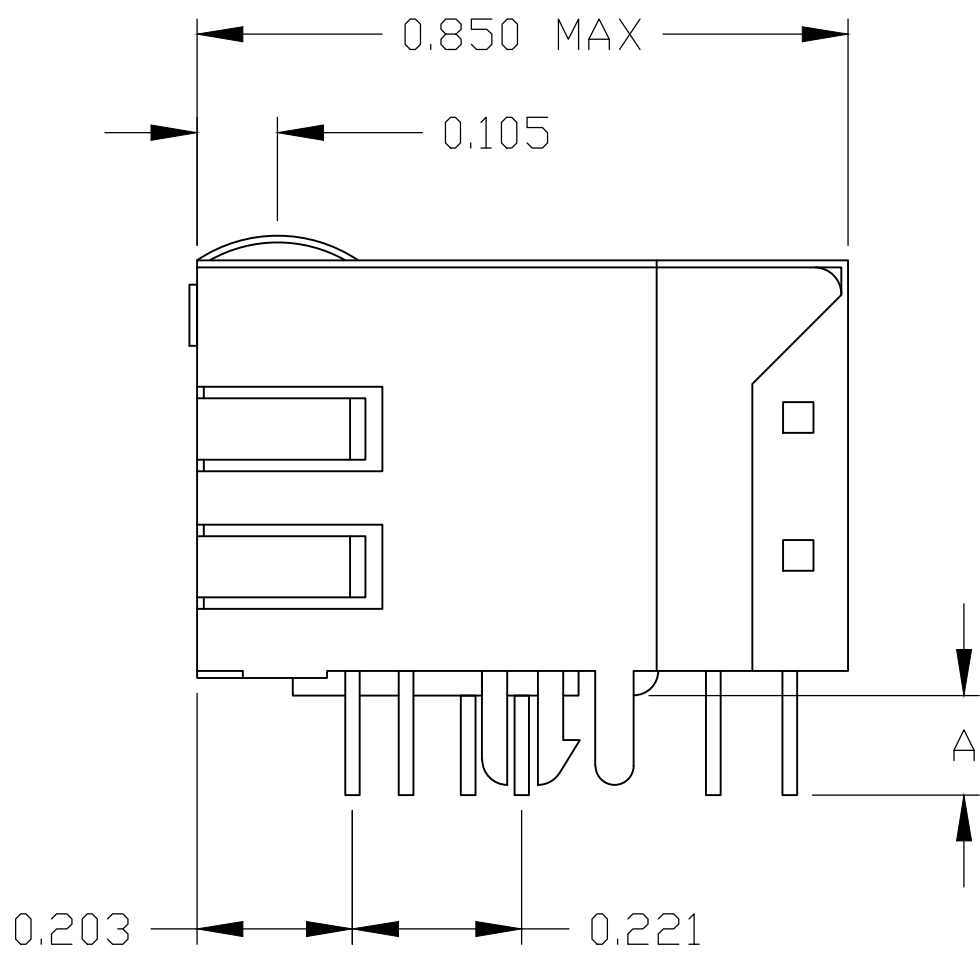
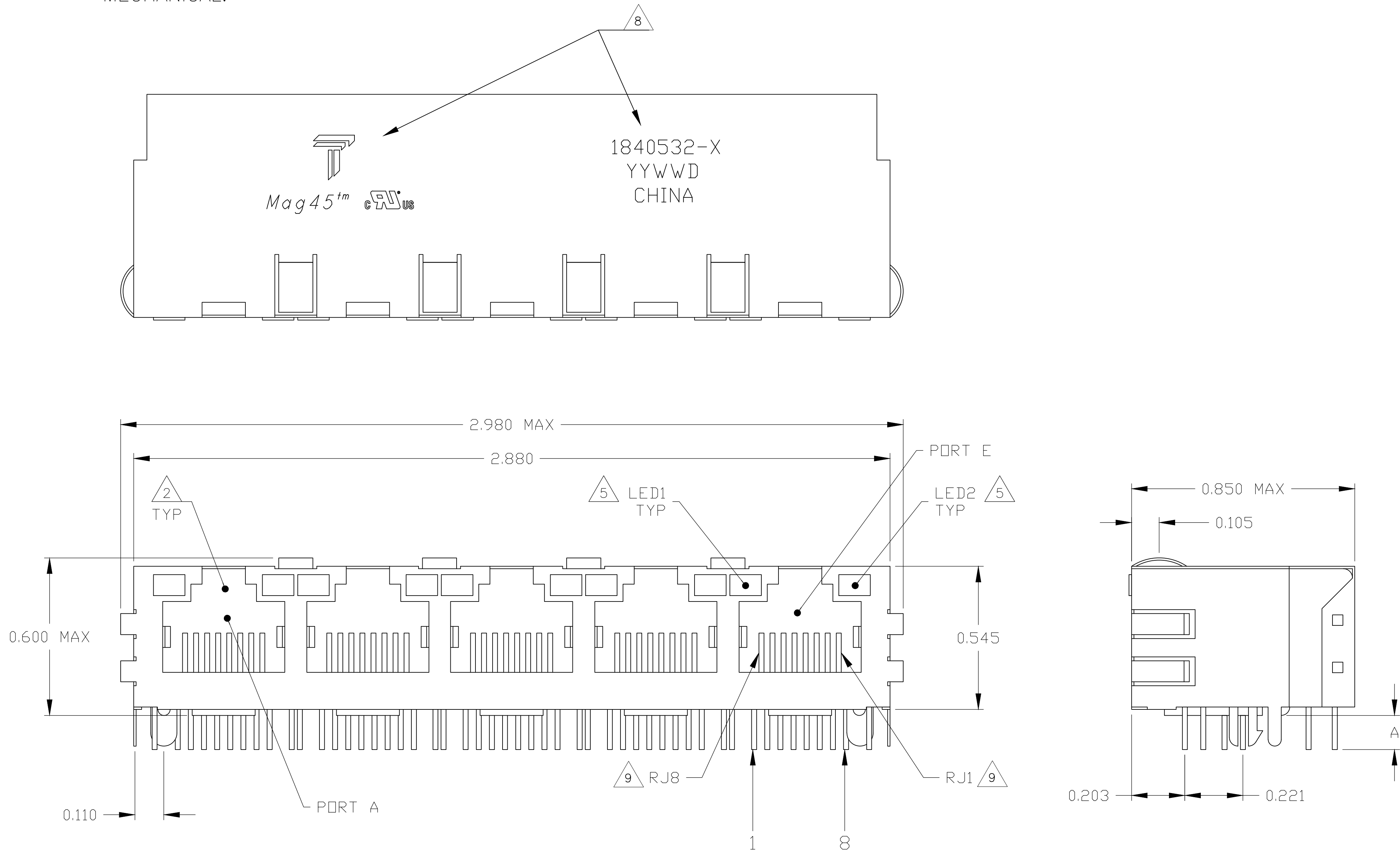


REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
	E	LOGO CHANGE	07APR2013	PP	KZ

MECHANICAL:



 MATERIALS:

- HOUSING - THERMOPLASTIC PET POLYESTER FLAMMABILITY RATING UL 94V-0.
- SHIELD - 0.010" THICK, C26800 BRASS PREPLATED WITH 30μINCH MIN SEMI-BRIGHT NICKEL. SOLDER TABS POST DIPPED WITH 100μINCH MIN SAC SOLDER.
- MOD JACK CONTACTS - 0.0157" X 0.018" PHOSPHOR BRONZE, 50μINCH MIN OVERALL NICKEL UNDERPLATE WITH SELECT 50μINCH MIN HARD GOLD FINISH PLATE. SOLDERTAILS WITH 100μINCH MIN MATTE TIN AND/OR SAC SOLDER DIP.
- LIGHT EMITTING DIODE(LED) - DIFFUSED EPOXY LENS, 0.020" X 0.020" CARBON STEEL WIREFRAME LEADS PRE-PLATED WITH 80μINCH SILVER OVER 40μINCH NICKEL UNDERPLATE OVER 40μINCH COPPER UNDERPLATE. POST-PLATED WITH 100μINCH MIN MATTE TIN AND/OR SAC SOLDER DIP OR PURE TIN SOLDER DIP.

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

 MAGNETICS

- APPLICATION: 10/100 BASE-T
- IMPEDANCE: 100 OHMS
- TURNS RATIO (CHIP: CABLE): TX = 1:1, RX = 1:1
- OPEN CIRCUIT INDUCTANCE (OCL): 350µH MIN @100kHz, 0.1VRMS,
8mADC BIAS FROM 0°C TO 70°C, TX AND RX
- PERFORMANCE @ 25°C:
 - INSERTION LOSS (IL): 1.1dB MAX FROM 0.5MHz TO 100MHz
 - RETURN LOSS (RL): 18dB MIN FROM 0.5MHz TO 30MHz
18-20LOG(f/30)dB MIN FROM 30.1MHz TO 60MHz
12dB MIN FROM 60.1MHz TO 80MHz
 - CROSSTALK ATTENUATION: 35dB MIN FROM 0.5MHz TO 40MHz
33-20xLOG(f/50)dB MIN FROM 40.1MHz TO 100MHz
 - COMMON MODE REJECTION RATIO (CMRR): 30dB MIN FROM 0.5MHz TO 100MHz
- ISOLATION VOLTAGE: COMPLIES WITH IEEE802.3 2002, PARA 23.5.1.1, ITEM b.

4. OPERATING TEMPERATURE: FROM 0°C to +70°C.

 THE 250 OHM LED RESISTORS ARE OPTIONAL, PLEASE SEE CHART FOR PRESENCE OR ABSENCE OF LED RESISTORS. IF THE LED WITHOUT 250 OHM RESISTORS, LED IS DRIVEN WITH CONSTANT CURRENT AT APPROX 20mA.

LED COLOR: DOMINANT WAVELENGTH (λD): GREEN 568 nm TYP. @ IF=20mA
FORWARD VOLTAGE (VF): GREEN 2.2V TYP. @ IF=20mA
DOMINANT WAVELENGTH (λD): YELLOW 588 nm TYP. @ IF=20mA
FORWARD VOLTAGE (VF): YELLOW 2.1V TYP. @ IF=20mA.
DOMINANT WAVELENGTH (λD): ORANGE 605 nm TYP. @ IF=20mA
FORWARD VOLTAGE (VF): ORANGE 2.05V TYP. @ IF=20mA.

IF THE LED WITH 250 OHM RESISTORS,LED IS DRIVEN WITH 5V VOLTAGE AND THE MAX OPERATING CURRENT IS 20mA.

LED COLOR : DOMINANT WAVELENGTH (λD): GREEN 568 nm TYP. @ VF=5V
FORWARD CURRENT (IF): GREEN 12 mA TYP. @ VF=5V
DOMINANT WAVELENGTH (λD): YELLOW 588 nm TYP. @ VF=5V
FORWARD CURRENT (IF): YELLOW 13 mA TYP. @ VF=5V

△ INDICATED MAGNETIC CONNECTIONS ARE SYMMETRICAL AND SUPPORT AUTO-MDIX.

7. THESE PARTS ARE RECOMMENDED FOR WAVE SOLDERING PROCESS, PEAK WAVE SOLDERING TEMPERATURE IS 265°C MAX,10 SECONDS MAX.

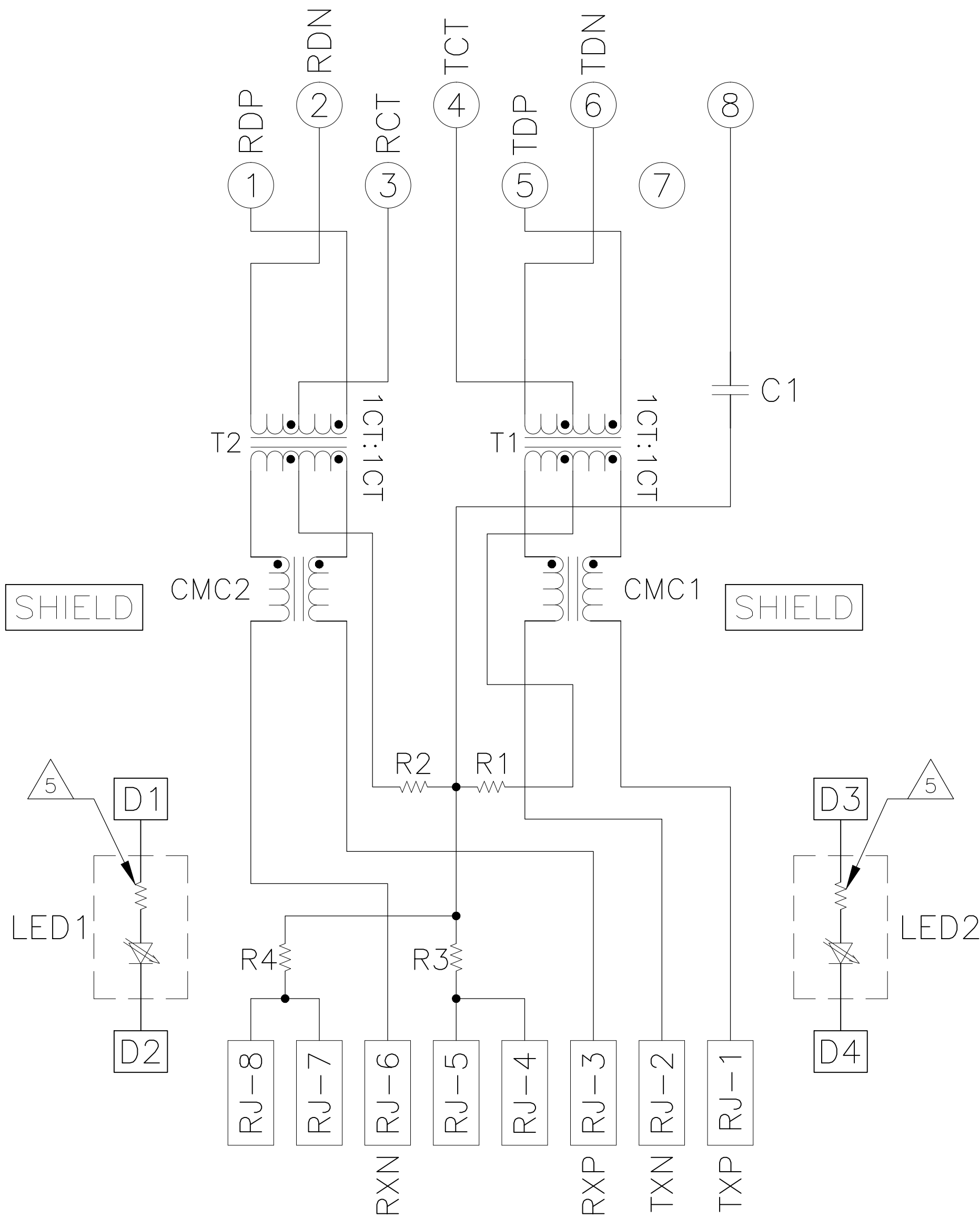
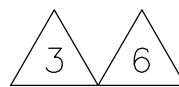
 TRP CONNECTOR LOGO, PART NUMBER, DATE CODE, COUNTRY OF ORIGIN AND AGENCY
APPROVAL MARKING IN APPROXIMATE LOCATION SHOWN.

9 CONTACT LUBRICANT APPLIED IN MATING AREA.

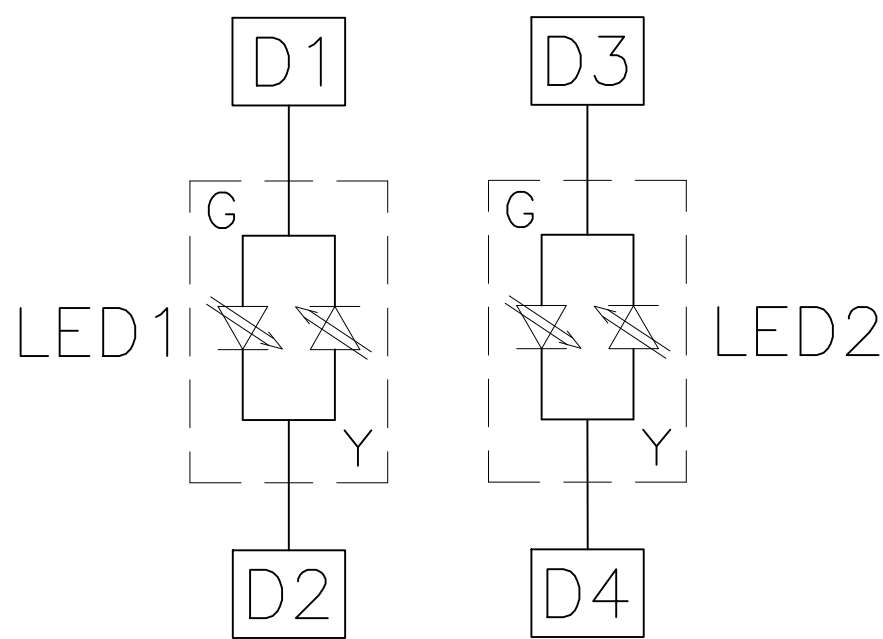
0.145±0.010	GREEN	YES	GREEN	YES	6-1840532-1
0.110±0.010	GREEN	YES	YELLOW	YES	2-1840532-1
0.145±0.010	YELLOW	NO	YELLOW	NO	1-1840532-0
0.145±0.010	YELLOW	NO	GREEN	NO	1840532-9
0.145±0.010	GREEN	NO	YELLOW	NO	1840532-8
0.145±0.010	GREEN	NO	GREEN	NO	1840532-7
0.145±0.010	GREEN/YELLOW	NO	GREEN/YELLOW	NO	1840532-6
0.145±0.010	GREEN/YELLOW	NO	GREEN	NO	1840532-5
0.145±0.010	GREEN/YELLOW	NO	GREEN	YES	1840532-4
0.145±0.010	YELLOW	YES	YELLOW	YES	1840532-3
0.145±0.010	YELLOW	YES	GREEN	YES	1840532-2
0.145±0.010	GREEN	YES	YELLOW	YES	1840532-1
DIM "A"	LED1 	250 OHMS RESISTOR 	LED2 	250 OHMS RESISTOR 	PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWG. NO.	5MAR2007		 TRP connector Dongguan China
		CHKD.	5MAR2007		
		DWG. NO.	5MAR2007		
		CHKD.	5MAR2007		
DIMENSIONS: INCHES		TOLERANCES, UNLESS OTHERWISE SPECIFIED:			
		APPROVED BY: XIONG			
		PRODUCT SPEC:			
		108-2100			
		APPLICATION SPEC:			
		SIZE			
		CASE CODE			
		DRAWING NO.			
		RESTRICTED TO:			
		A1 00779		1840532	
		WEIGHT			
		CUSTOMER DRAWING			
		SCALE			
		SHEET			
		REV			

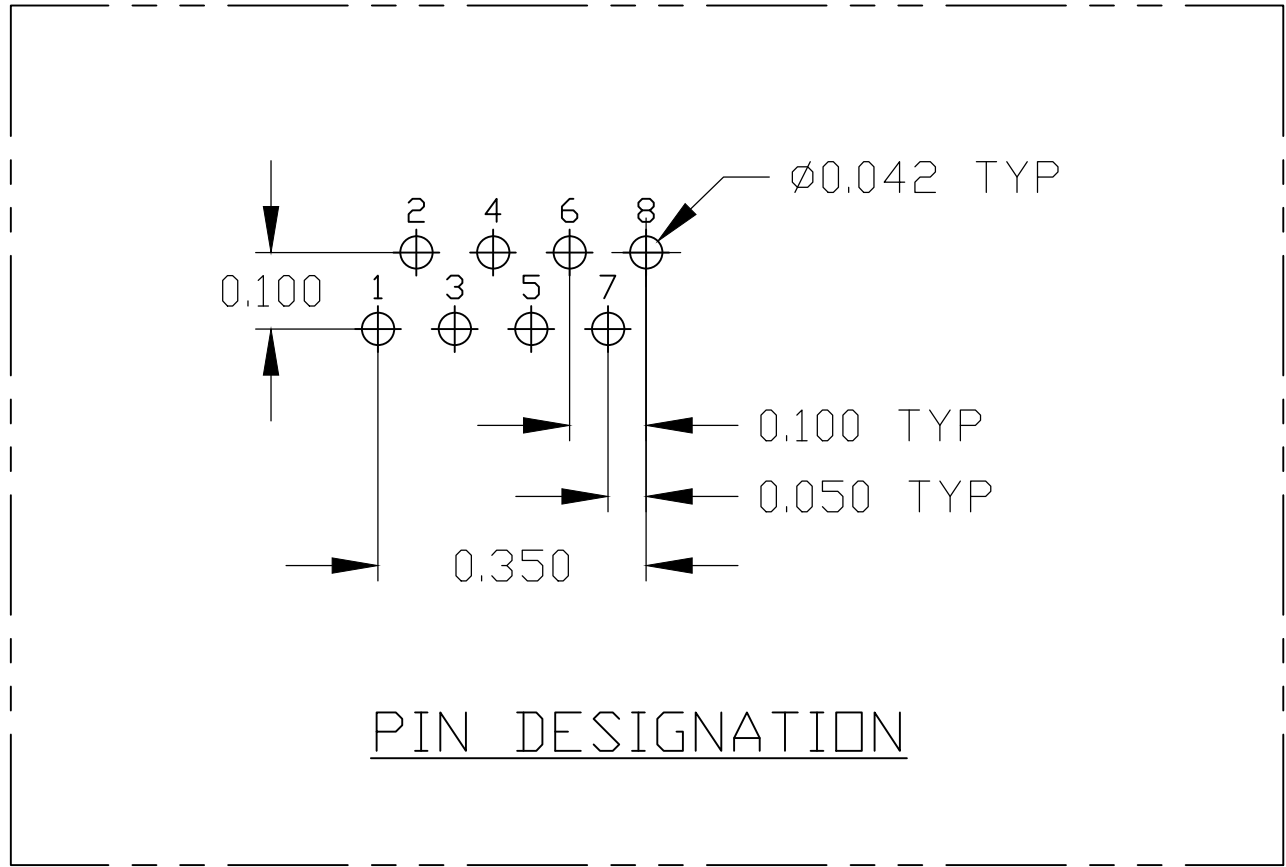
726 10/100 BASE-T CIRCUIT



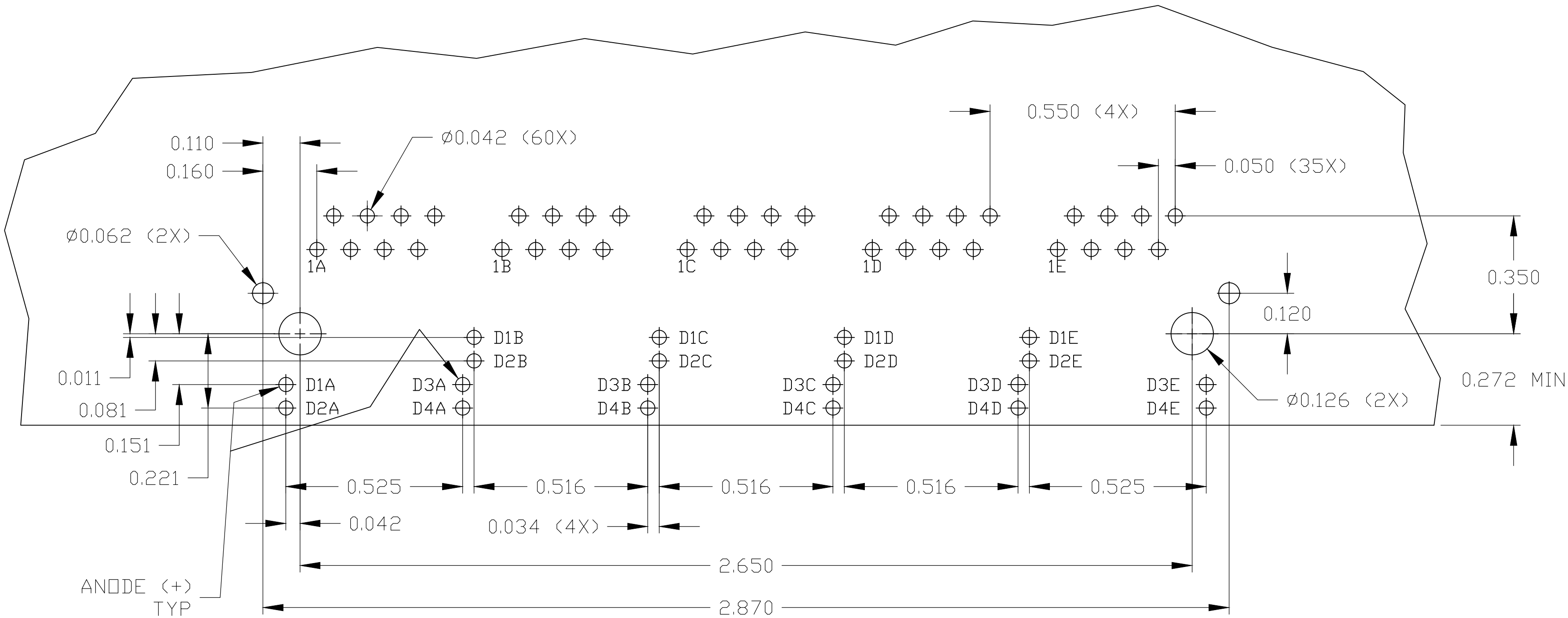
R1-R4=75 OHMS, 1/16W, 5% RESISTORS.
C1=1000 pF, 2kV CAPACITOR.



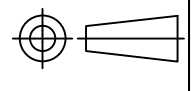
LED CONFIGURATION
FOR 1840532-6 ONLY



PIN DESIGNATION



SUGGESTED PCB LAYOUT
(Component Side)

THIS DRAWING IS A CONTROLLED DOCUMENT.		DRN: CLOUD ZENG 5MAR2007	 TRP connector Dongguan China	
		CHK: DENNIS CHEN 5MAR2007		
DIMENSIONS: INCHES		TOLERANCES UNLESS OTHERWISE SPECIFIED:		NAME
		0 PLC ± - 1 PLC ± - 2 PLC ± .010 3 PLC ± .005 4 PLC ± - ANGLES ± - FINISH		PRODUCT SPEC 108-2100 APPLICATION SPEC
MATERIAL	-	WEIGHT	-	SIZE CAGE CODE DRAWING NO
		CUSTOMER DRAWING		RESTRICTED TO
		SCALE 4:1 SHEET 2 OF 2 REV E		