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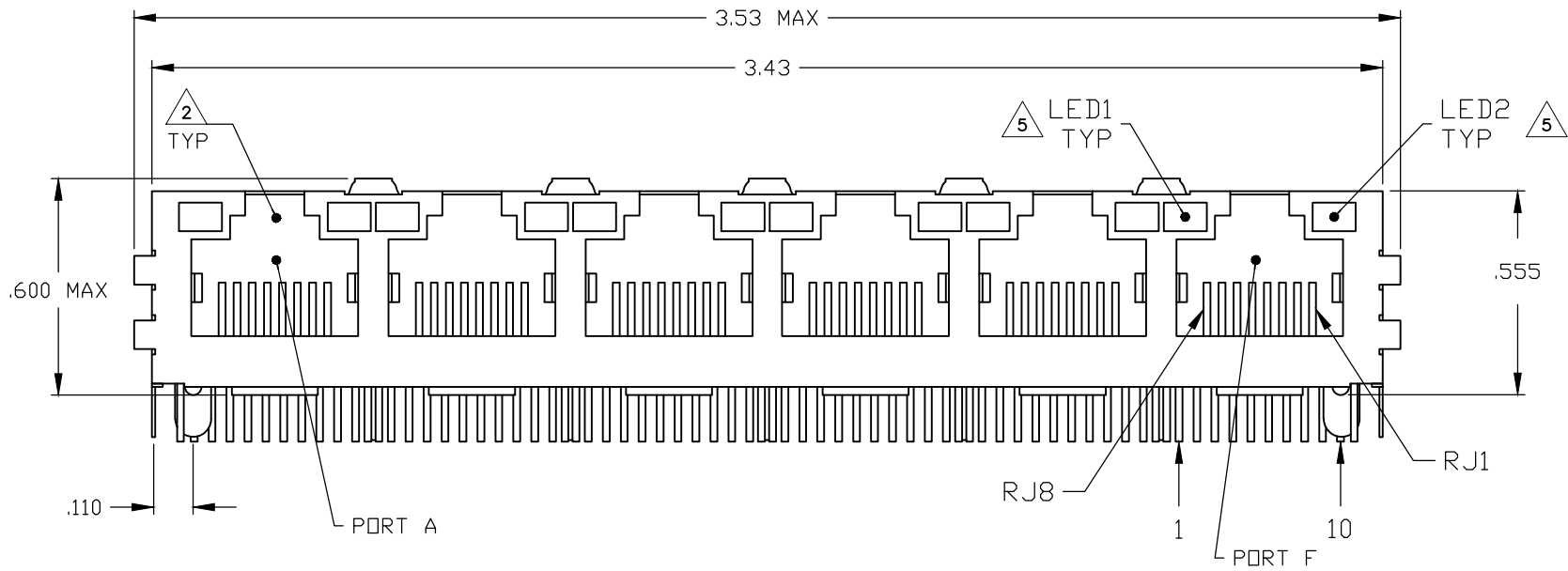
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REVISIONS				
P	LTN	DESCRIPTION	DATE	OWN
H	LOGO	CHANGE	07APR2013	QL KZ

MECHANICAL:

6610205-X
YYWWD
CHINA

Mag45tm 



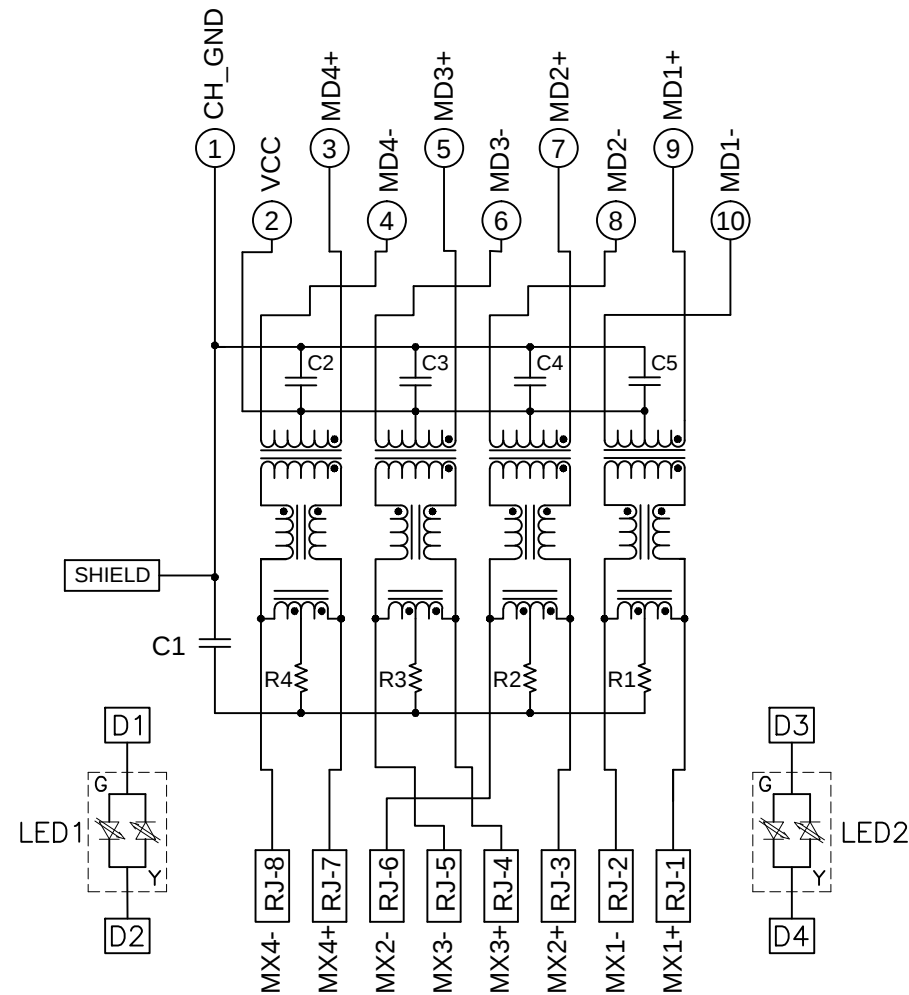
1. MATERIALS:
-HOUSING - THERMOPLASTIC PET POLYESTER FLAMMABILITY RATING UL 94V-0.
-SHIELD - .008" THICK, C26800 BRASS PREPLATED WITH 30μINCH MIN SEMI-BRIGHT NICKEL. SOLDER TABS POST DIPPED WITH 100μINCH MIN SAC SOLDER.
-MOD JACK CONTACTS - 0.0157 X 0.018" PHOSPHOR BRONZE, 50μINCH MIN OVERALL NICKEL UNDERPLATE WITH SELECT 50μINCH MIN HARD GOLD FINISH PLATE. SOLDER TAILS WITH 100μINCH MIN MATTE TIN AND/OR SAC SOLDER DIP.
-LIGHT EMITTING DIODE(LED) - DIFFUSED EPOXY LENS, .020" X .020" CARBON STEEL WIREFRAME LEADS PRE-PLATED WITH 80μINCH SILVER OVER 40μINCH NICKEL UNDERPLATE OVER 40μINCH COPPER UNDERPLATE. POST-PLATED WITH 100μIN 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.
3. MAGNETICS
-APPLICATION: 10/100/1000 BASE-T
-IMPEDANCE: 100 OHMS
-TURNS RATIO (CHIP: CABLE): 1:1 ALL FOUR PAIRS
-OPEN CIRCUIT INDUCTANCE (OCL): 350mH MIN @100kHz, 0.1VRMS, 8mADC BIAS FROM 0°C TO 70°C, ALL FOUR PAIRS
-ALL FOUR PAIRS BI-DIRECTIONAL
-PERFORMANCE @ 25°C:
INSERTION LOSS (IL): 1.1dB MAX FROM 0.5MHz TO 100MHz
RETURN LOSS (RL): 18dB MIN FROM 0.5MHz TO 40MHz
12-20LOG(f/80)dB MIN FROM 40.1MHz TO 100MHz
CROSSTALK ATTENUATION: 35dB MIN FROM 0.5MHz TO 40MHz
33-20LOG(f/50)dB MIN FROM 40.1MHz TO 100MHz
COMMON MODE REJECTION RATIO (CMRR): 30dB MIN FROM 0.5MHz TO 100MHz
-ISOLATION VOLTAGE: 2250VDC (MAX) FOR 60 SECONDS WITH A RISE TIME OF 500V/SEC AND WITH ALL PORTS CONNECTED.
4. OPERATING TEMPERATURE: FROM 0°C TO +70°C.
5. LED IS DRIVEN WITH CONSTANT CURRENT AT APPROX 20mA. LED COLOR:
DOMINANT WAVELENGTH(λD): GREEN 568nm TYP. @ IF=20mA
FORWARD VOLTAGE (VF): GREEN 2.2V TYP. @ IF=20mA
DOMINANT WAVELENGTH(λD): YELLOW 588nm TYP. @ IF=20mA
FORWARD VOLTAGE (VF): YELLOW 2.1V TYP. @ IF=20mA.
6. INDICATED MAGNETIC CONNECTIONS ARE SYMMETRICAL TO SUPPORT AUTO-MDI/MDIX.
7. TRP CONNECTOR LOGO, PART NUMBER, DATE CODE, COUNTRY OF ORIGIN AND APPROVAL AGENCY MARKING IN APPROXIMATE LOCATION SHOWN.
8. THE PART IS RECOMMENDED FOR WAVE SOLDERING PROCESS, PREHEAT TEMPERATURE IS 120°C TO 160°C, 120 SECONDS TO 180 SECONDS, PEAK WAVE SOLDERING TEMPERATURE IS 260°C MAX, 10 SECONDS MAX.

TOP OF PCB

1X6 SUGGESTED PANEL CUTOUT

.100	GREEN	GREEN	1-6610205-7
.145	GREEN/YELLOW	GREEN/YELLOW	6610205-6
DIM A	LED1 	LED2 	PART NUMBER

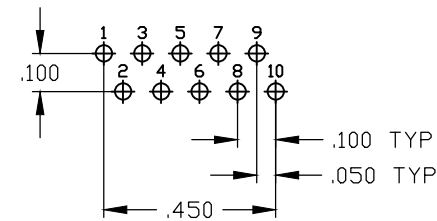
THIS DRAWING IS A CONTROLLED DOCUMENT.		DRN G. ATTADIA - DOCK5 CHK D. FAROLE APD D. FAROLE	17MAR2005 17MAR2005 17MAR2005	TRP connector Dongguan China	
DIMENSIONS: INCHES	TO TOLERANCES UNLESS OTHERWISE SPECIFIED:	0 PLC ± - 1 PLC ± - 2 PLC ± .010 3 PLC ± .005 4 PLC ± - ANGLES ± -	PRODUCT SPEC 108-2100 APPLICATION SPEC -	NAME 1X6 MAG45(TM) MODULAR JACK, 7G23P5 GIGABIT CIRCUIT (10 PIN HORIZONTAL), SHIELDED WITH 7 GROUND PINS, WITH BI-COLOR LEDS	RESTRICTED TO
MATERIAL 	FINISH 	WEIGHT -	A100779	C-6610205	-
CUSTOMER DRAWING		SCALE 4:1	SHEET 1	OF 2	REV H

7G23P5 GIGABIT CIRCUIT 

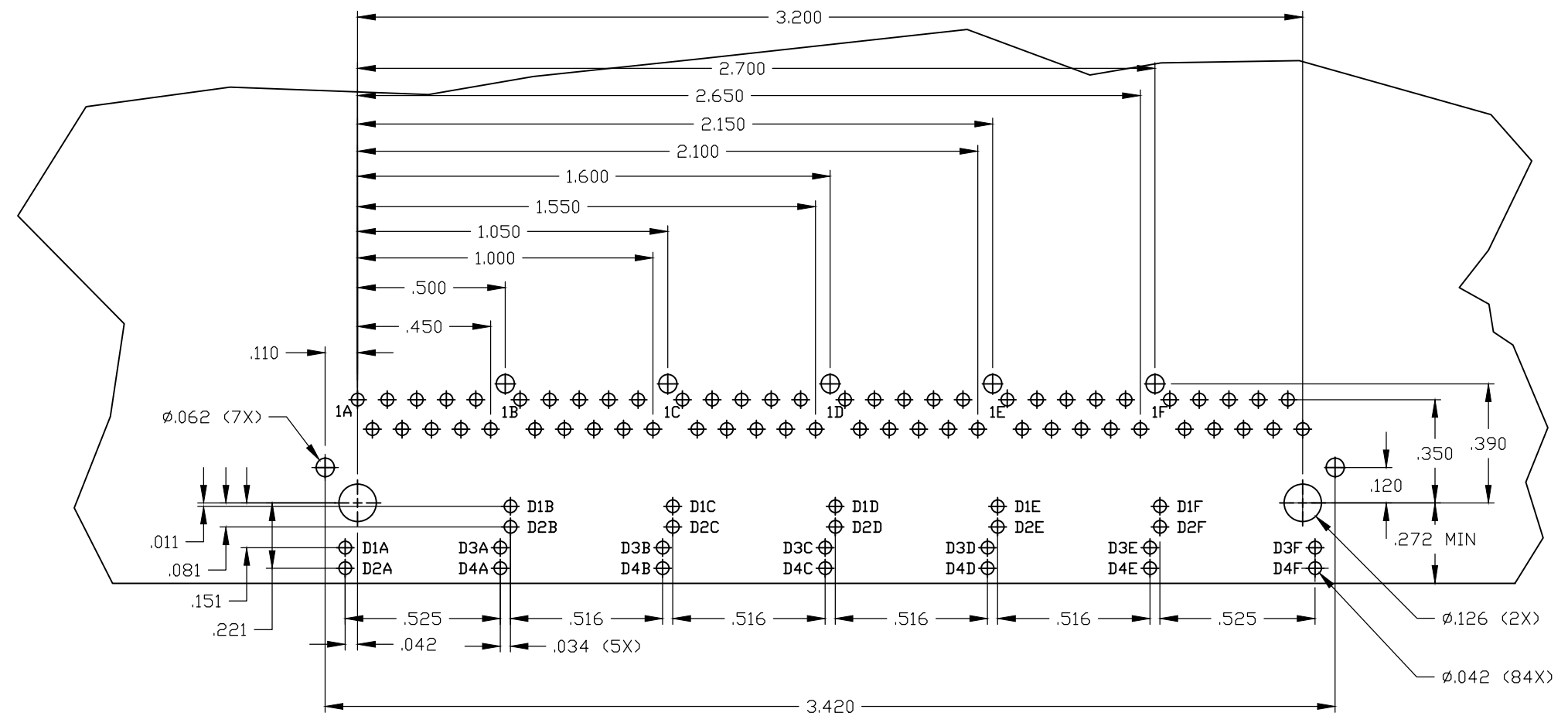
R1-R4 = 75 OHMS, 1/16W RESISTORS

C1 = 1000pF, 2kV CAPACITOR

C2-C5 = 0.1uF, 50V, X7R CAPACITORS



PIN DESIGNATION

SUGGESTED PCB LAYOUT
(Component Side)

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DIMENSIONS: INCHES		TOLERANCES UNLESS OTHERWISE SPECIFIED:		PRODUCT SPEC 108-2100	
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MATERIAL -		FINISH -		SIZE A100779C-6610205	
CUSTOMER DRAWING		WEIGHT -		RESTRICTED TO -	
		SCALE 4:1		SHEET 2 OF 2	
				REV H	