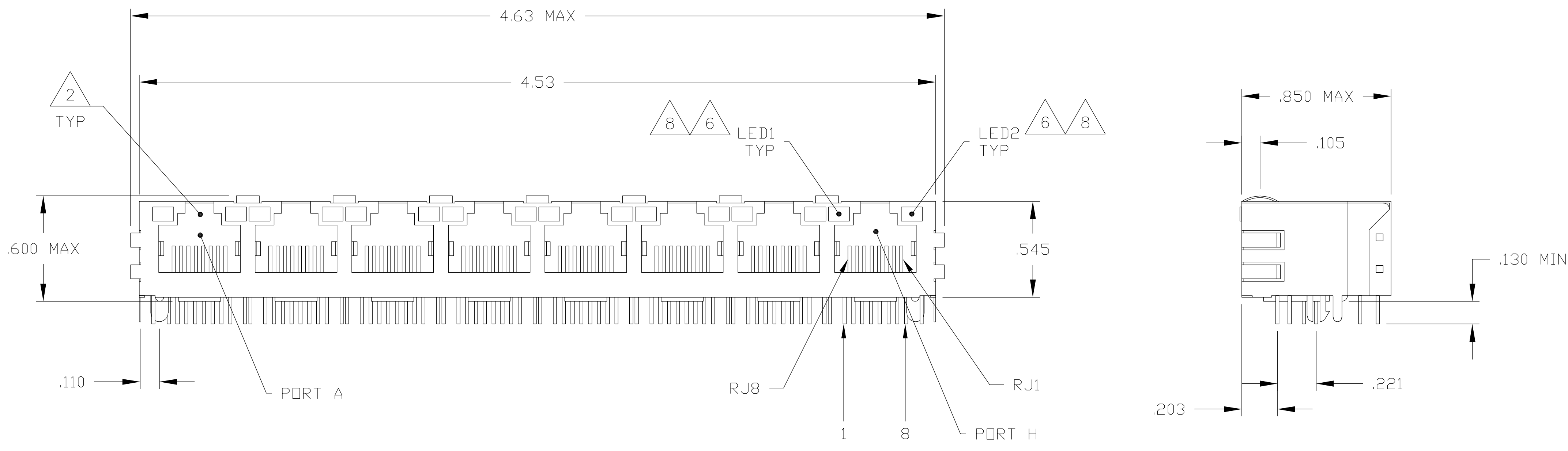
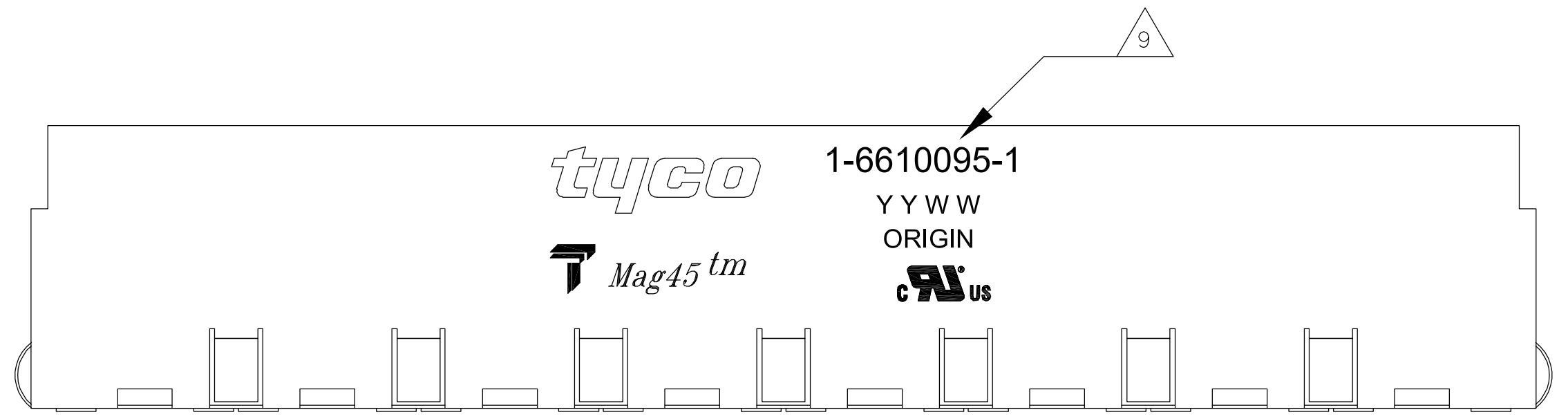
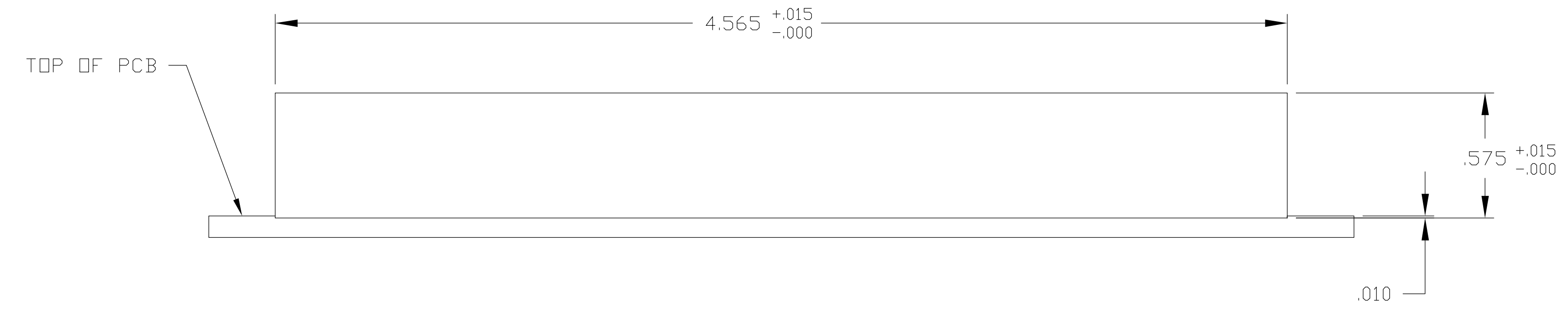


LOC		DIST		REVISIONS			
F	LTR	DESCRIPTION	DATE	DWN	APPD		
A	REV PER EC	OS13-0650-04	16MAR2005	AF	DF		

MECHANICAL:



- 1 MATERIALS:
 - HOUSING - THERMOPLASTIC PET POLYESTER FLAMMABILITY RATING UL 94V-0.
 - SHIELD - .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, .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
 - 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
 - 33-20*LOG(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 a or b.
- 4. OPERATING TEMPERATURE: FROM 0°C TO +70°C.
- 5 R1-R4 = 75 OHMS, 1/16 W, 5% RESISTORS.
- 6 LED COMPLIANT WITH IEC60825-1 SAFETY OF LASER PRODUCTS. WHEN OPERATED UP TO 20 mA. THE 250 OHM RESISTOR IS INCLUDED IN THE LEDS.
- 7 INDICATED CONNECTIONS ARE FOR NIC CONFIGURATION. THE MAGNETICS ARE ASYMMETRICAL, AND DO NOT SUPPORT AUTO-MDI/MDIX.
- 8 LED PEAK WAVELENGTH: GREEN(λ) = 565nm.
- 9 TRADEMARK, PART NUMBER, DATE CODE, COUNTRY OF ORIGIN AND AGENCY APPROVAL MARKING IN APPROXIMATE LOCATION SHOWN.



1X8 SUGGESTED PANEL CUTOUT

GREEN	GREEN	1-6610095-1
LED1 6	LED2 6	PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.

DWN A. FERNANDEZ 16MAR2005	CHK D. FAROLE 16MAR2005	APPR D. FAROLE 16MAR2005	NAME 1X8 MAG45(TM) MODULAR JACK, 7N2 SCHEMATIC, 714 SERIES MAGNETIC CIRCUIT, SHIELDED, WITH RESISTOR LEDS	Tyco Electronics Corporation Harrisburg, PA 17105-3608
DIMENSIONS: INCHES		TOLERANCES UNLESS OTHERWISE SPECIFIED:		
0 PLC ± -		1 PLC ± -		
1 PLC ± -		2 PLC ± .010		
2 PLC ± .005		3 PLC ± -		
3 PLC ± -		4 PLC ± -		
4 PLC ± -		ANGLES ± -		
FINISH		FINISH		

MATERIAL	SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
1	A1	00779	6610095	-

CUSTOMER DRAWING SCALE 4:1 SHEET 1 OF 2 REV A

