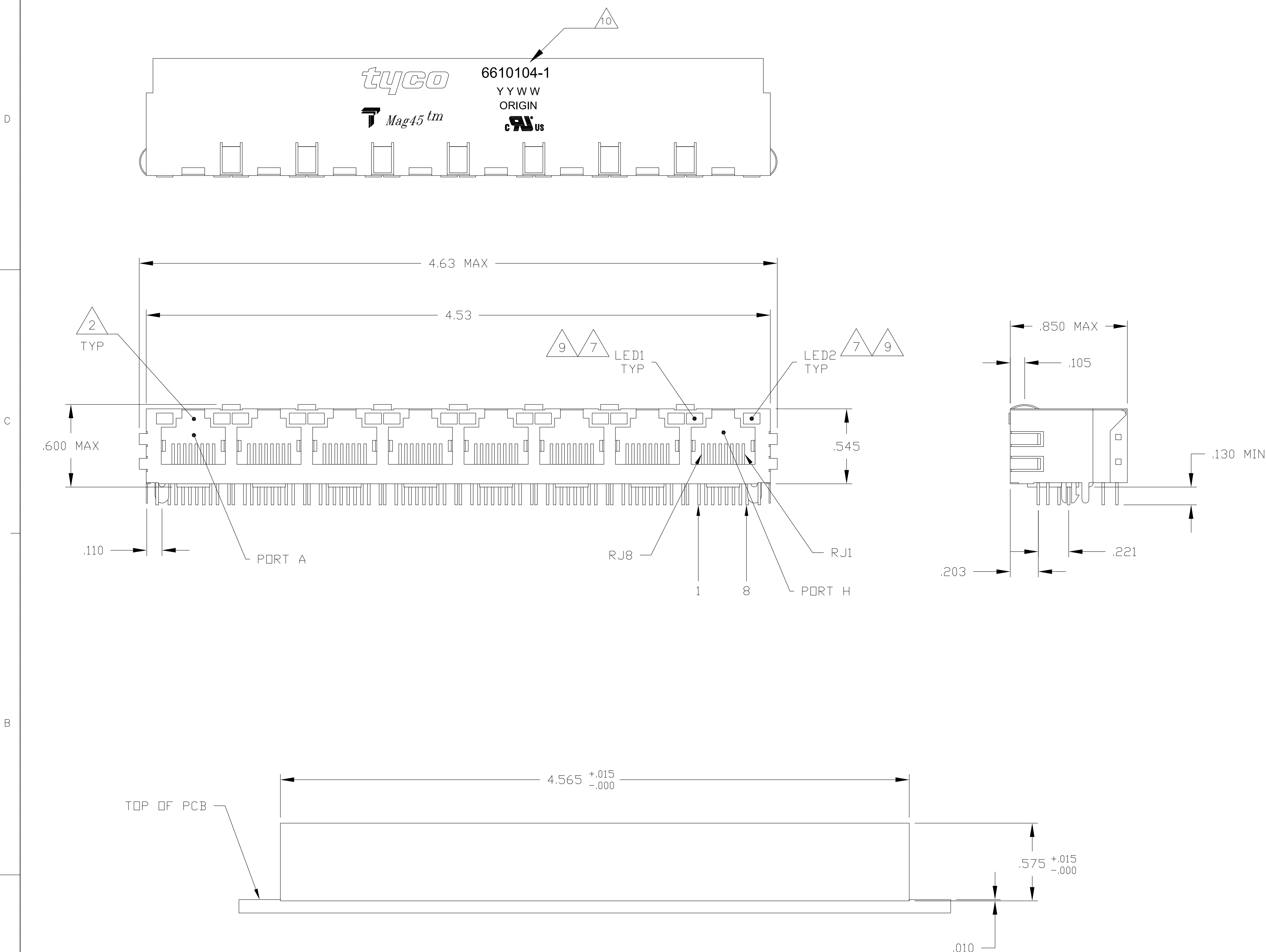


LOC	DIST	REVISIONS				DATE	DWN	APVD
		P	LTR	DESCRIPTION				
AA	22	A	REV	PER EC 0S13-0650-04		16MAR2005	AF	DF

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
- C1 IS AN OPTIONAL 1000pF, 2kV DECOUPLING CAPACITOR. IF NO CAPACITOR, TRACE IS CONTINUOUS. SEE TABLE FOR PRESENCE OF CAPACITOR IN DIFFERENT CONFIGURATIONS.
5.
- OPERATING TEMPERATURE: FROM 0°C TO +70°C.
- 6
- R1-R4 = 75 OHMS, 1/16 W, 5% RESISTORS.
- 7
- LED COMPLIANT WITH IEC60825-1 SAFETY OF LASER PRODUCTS. WHEN OPERATED UP TO 20 mA. THE 250 OHM RESISTOR IS INCLUDED EXCEPT ON BICOLOR LED.
- 8
- INDICATED CONNECTIONS ARE FOR HUB CONFIGURATION. THE MAGNETICS ARE ASYMMETRICAL, AND DO NOT SUPPORT AUTO-MDI/MDIX.
- 9
- LED PEAK WAVELENGTH: GREEN(λ) = 565nm
YELLOW(λ) = 585nm
- 10
- TRADEMARK, PART NUMBER, DATE CODE, COUNTRY OF ORIGIN AND AGENCY APPROVAL MARKING IN APPROXIMATE LOCATION SHOWN.

1X8 SUGGESTED PANEL CUTOUT

YES	GREEN	GREEN	6-6610104-1
YES	GREEN/YELLOW	GREEN	5-6610104-4
YES	GREEN	YELLOW	5-6610104-1
NO	GREEN	GREEN	1-6610104-1
NO	GREEN	YELLOW	6610104-1
DECOUPLING CAPACITOR 4	LED1 7	LED2 7	PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: INCHES

TOLERANCES, UNLESS OTHERWISE SPECIFIED:
0 PLC ± -
1 PLC ± -
2 PLC ± .010
3 PLC ± .005
4 PLC ± -
ANGLES ± -
FINISH 1

DWN: A. FERNANDEZ-DOCK5
CHK: D. FAROLE
APVD: D. FAROLE

16MAR2005
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NAME: 1X8 MAC45(TM) MODULAR JACK, 7H5 SCHEMATIC, 754 SERIES CIRCUIT, SHIELDED, OPTIONAL DECOUPLING CAPACITOR, WITH LEDS

MATERIAL 1

WEIGHT -

CUSTOMER DRAWING

SIZE: A1

CAGE CODE: 00779

DRAWING NO: 6610104

RESTRICTED TO: -

SCALE: 4:1

SHEET: 1 OF 2

REV: A

