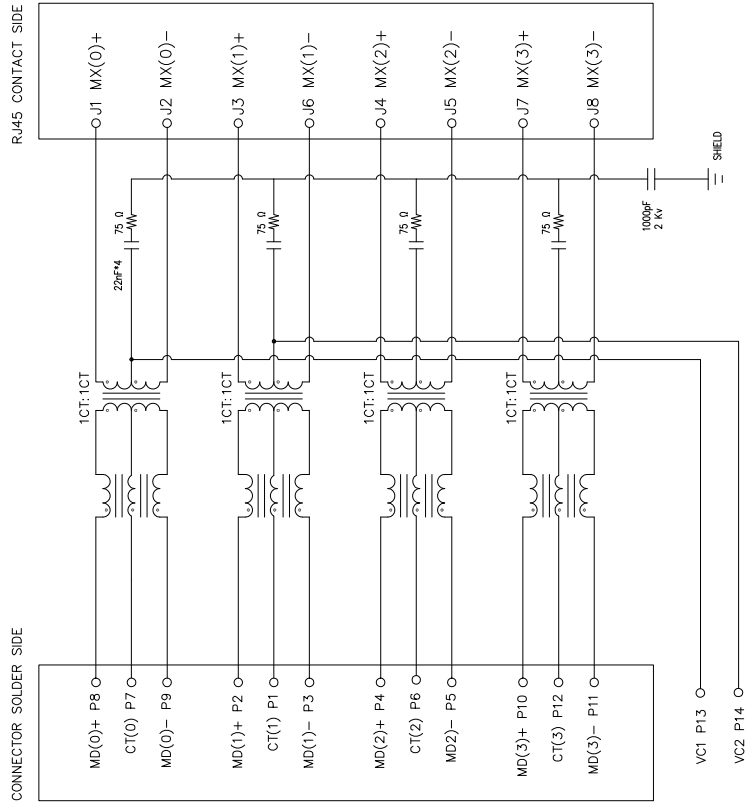


3. SCHEMATIC:



E-CONN PART NO:

F T C - C A 4 1 - 6 8 P 9

SHELL CODE
HOUSING CODE
LED COLOR OPTION
CIRCUIT TYPE
PLATING CODE

4. ELECTRICAL CHARACTERISTICS :

TEST NOTES: (25±5°C)

1. TR: (100KHz, 0.1V); 100%
- PINS: (P8, P9): (J1, J2)=1: 1±3%, (P2, P3): (J3, J6)=1: 1±3%
- PINS: (P4, P5): (J4, J5)=1: 1±3%, (P10, P11): (J7, J8)=1: 1±3%
2. LX: (100KHz, 100mV, 19mA, DC Bias) 100%
- PINS: (P8, P9), (P2, P3), (P4, P5), (P10, P11)=120uH MINIMUM
3. DCR: 100%
- PINS: (J1, J2), (J3, J6), (J4, J5), (J7, J8)=1.2 Ω MAXIMUM
4. HIPOT: 100%
- PINS(P8, P9) TO (J1, J2), (P2, P3) TO (J3, J6)=1500VAC FOR 2 SECONDS
- PINS(P4, P5) TO (J4, J5), (P10, P11) TO (J7, J8)=1500VAC FOR 2 SECONDS
5. INSERTION LOSS:
 - 0.5dB MAXIMUM AT 1MHZ TO 50MHZ;
 - 1.0dB MAXIMUM AT 50MHZ TO 125MHZ;
 - 2.0dB MAXIMUM AT 125MHZ TO 200MHZ;
6. RETURN LOSS:
 - 20dB MINIMUM AT 1MHZ TO 40MHZ;
 - 20+15*LOG(FREQ MHZ/40MHZ) dB MINIMUM AT 40MHZ TO 200MHZ
7. CROSS TALK:
 - 30dB MINIMUM AT 50MHZ TO 125MHZ
 - 25dB MINIMUM AT 125MHZ TO 200MHZ
8. COMMON TO COMMON MODE REJECTION:
 - 25dB MINIMUM AT 1MHZ TO 200MHZ
9. Balanced DC LINE CURRENT
 - 350mA MAX@48V DC CONTINUOUS

REV.	ECN. NO.	DRAWN	DATE	EC.content
A	NEW	Tony	04/17/2017	

⊗: QUALITY CONTROL ITEM		GENERAL TOLERANCE		PART NO.: FTC-CA41-68P9	
APPROVED		X: ±0.38	X: ±2'	TITLE: RJ45, CONNECTORS, W/LED	
CHECKED		.XX ±0.25	.X ±1'	100/1000M+POE FILTER	
DRAWN		.XXX ±0.13		SCALE: 1:1	SHEET: 2/2
		UNIT: mm			REV.: A

FUCHENG