

Excellent Integrated System Limited

Stocking Distributor

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[Bel Fuse Inc.](#)
[6605426-1](#)

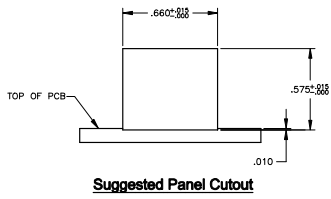
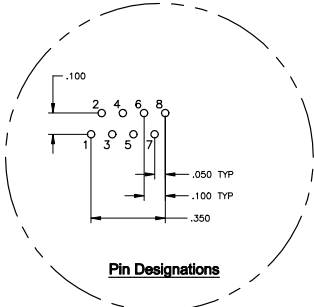
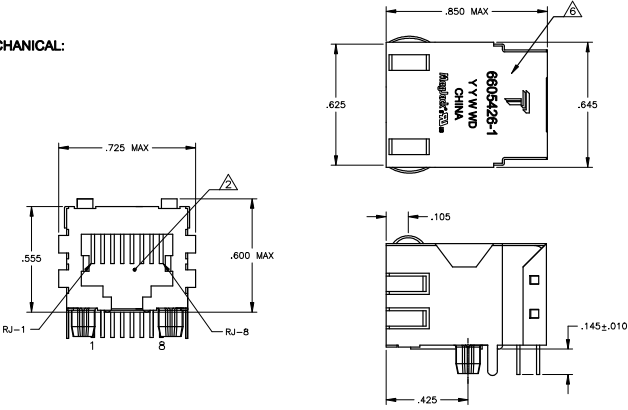
For any questions, you can email us directly:
sales@integrated-circuit.com

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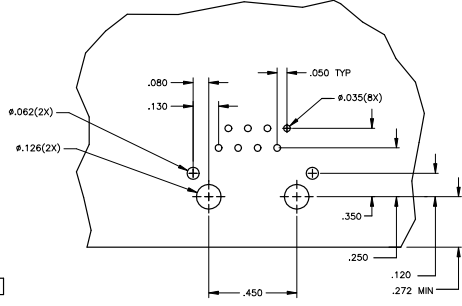
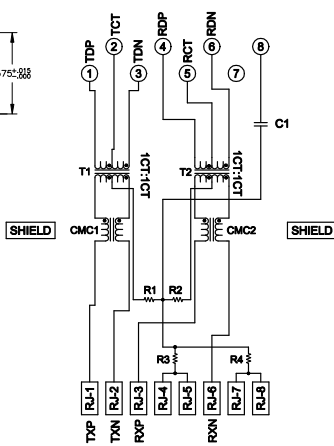
PRODUCT MAY BE PROTECTED BY ONE OR MORE OF THE FOLLOWING US PATENTS:
 5736910 5939955 6425781 6428361 6554638 6840817 7123117
 7429195 7717749 7808751 8217391 6149050 7924130

REVISIONS			
REV	DATE	DESCRIPTION	BY
1		INITIAL	
2		EC-1411035 COMPANY LOGO CHANGE	24082014 ST TL

MECHANICAL:



426P1 SERIES MAGNETIC CIRCUIT



C1 = 1000 pF, 2KV CAPACITOR
 R1-R4 = 75 OHMS, 1/16 W RESISTORS

- MATERIALS:**
 HOUSING - THERMOPLASTIC PET POLYESTER FLAMMABILITY RATING UL 94V-0.
 SHIELD - .010" THICK, C26800 BRASS PREPLATED WITH 30μNCH MIN SEMI-BRIGHT NICKEL. SOLDER TABS POST DIPPED WITH 100μNCH MIN SAC SOLDER.
 MAG JACK CONTACTS - 0.0151 X 0.018" PHOSPHOR BRONZE, 50μNCH MIN OVERALL NICKEL UNDERPLATE WITH SELECT 50μNCH MIN HARD GOLD FINISH PLATE.
 SOLDER TAILS WITH 100μNCH MIN MATTE TIN AND/OR SAC SOLDER DIP.
 RJ45 JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS PART 68, SUB PART F.
 MAGNETICS
 -IMPEDANCE: 100 OHMS
 -TURNS RATIO (CHIP CABLE): TX = 11, RX = 11
 -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): 11dB 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
 33-20LOG(f/50)dB MIN FROM 40.1MHZ TO 100MHZ
 COMMON MODE REJECTION RATIO (CMRR): 30dB MIN FROM 0.5MHZ TO 100MHZ
 -ISOLATION VOLTAGE: 250VDC (MAX) FOR 60 SECONDS WITH A RISE TIME OF 500V/SEC.
- OPERATING TEMPERATURE: FROM 0° TO +70°C.
- INDICATED CONNECTIONS ARE FOR NIC CONFIGURATION. THE MAGNETICS ARE SYMMETRICAL, AND THEREFORE SUPPORT AUTO-MDI/MDIX.
- TRP CONNECTOR LOGO, PART NUMBER, DATE CODE, COUNTRY OF ORIGIN AND AGENCY APPROVAL MARKING IN APPROXIMATE LOCATION SHOWN.
- 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.

6605426-1		PART NUMBER	
THIS DRAWING IS A CONTROLLED DOCUMENT.			
DESIGNED BY	DATE	APPROVED BY	DATE
DRAWN BY	DATE	APPROVED BY	DATE
CHECKED BY	DATE	APPROVED BY	DATE
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1	INITIAL		
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