

6 5 4 3 2 1

APPROVED: _____
 DATE: _____ TITLE: _____

Rev	AWO #	Description	Date	Appr
-		RELEASED	5/24/17	
A		REVISED J1 & J8	6/1/17	HR/DH

RECOMMENDED PCB LAYOUT

Dimensions: .340 [8.64], .110 [2.79], .100 [2.54], .050 [1.27], .010 [0.25], .450 [13.72], .350 [8.89], .250 [6.35], .120 [3.05], .086 [2.18], .450 [11.43], .536 [13.61], .035 [0.90], .063 [1.60], .128 [3.25]

GREEN/YELLOW (LED1)
 GREEN (LED2)
 J1, J8

Dimensions: .638 [16.20]

Dimensions: .008~.024 [0.20~0.60], .996 [25.30], .531 [13.50], .425 [10.80], .126 [3.20]

P9, P10, P14, P1, P2, P11

X	PLATING
0	15 µin Gold
1	30 µin Gold
2	50 µin Gold
6	6 µin Gold

Material:
 Housing: Thermoplastic, rated UL 94V-0, Color: Black
 Contacts: Phosphor Bronze
 Shield: Brass, Nickel plated
 Plating:
 Round contact
 Gold over Nickel underplate overall
 Flat contact
 Gold over Nickel underplate on contact area,
 Tin over Nickel underplate on solder tails
 (See chart for thickness)
 Electrical:
 Voltage rating: 150 VAC max
 Contact Resistance: 20 mohms max
 Insulation resistance: 500 Mohms min
 Dielectric withstanding voltage: 2,250VDC for 1 minute
 Temperature Rating:
 Operating temperature: -40°C to +85°C
 Environmental:
 Lead free, RoHS compliant.

UNLESS OTHERWISE SPECIFIED
 ALL DIMENSIONS ARE INCHES [MM]
 TOLERANCES: EXCEPT AS NOTED
 INCHES HOLES

.X ± .10	∅X ± .10
.XX ± .020	∅XX ± .015
.XXX ± .015	∅XXX ± .010

TITLE: MODULAR TELEPHONE JACK, 1 PORT, 8P8C
 W/ LED1 GREEN/YELLOW, LED2 GREEN

APPROVALS		DATE
DRAWN	HR	5/24/17
CHECKED	DH	5/24/17
APPROVED		

SIZE	PART NO.	REV.
X	MTJ-88SX1-FSD-L38-M21C	A
REF: S00005C	SCALE: NTS	SHEET 1 OF 2

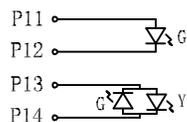
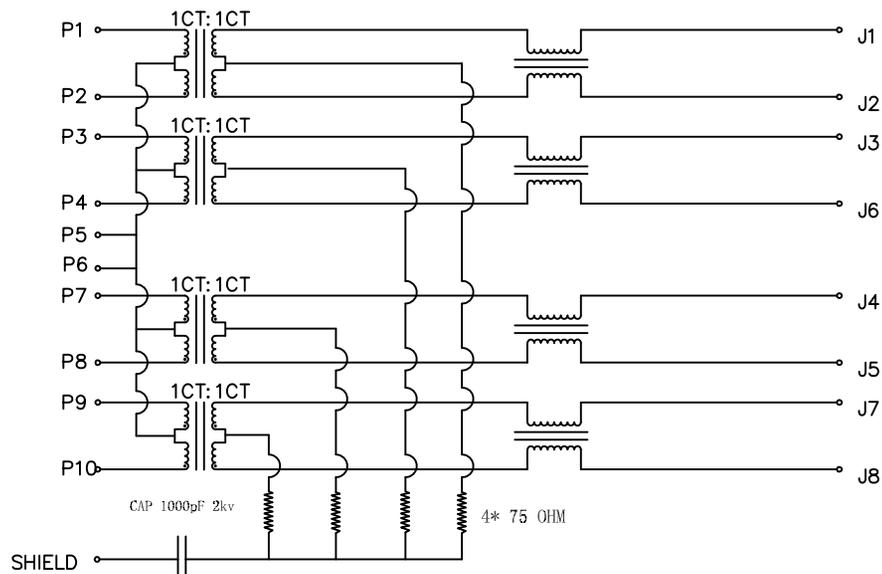
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SEE SHT 1 OF 2 FOR REVISION



Pin	Green		Green	Yellow
P11	+	P13	-	+
P12	-	P14	+	-

Electronical Specifications:

- Turn Ratio @100KHz: (P1~P2):(J1~J2) = 1:1±5%
(P3~P4):(J3~J6) = 1:1±5%
(P7~P8):(J4~J5) = 1:1±5%
(P9~P10):(J7~J8) = 1:1±5%
- Primary Inductance: 350uH MIN @100KHZ,0.1V 8mA DC BIAS
- DC Resistance: 1.2 OHMS MAX
- Insertion Loss: 1-100MHz -1.0dB MAX
100-125MHz -1.2dB MAX
- Return Loss: 1-40MHz -18dB MIN
40-60MHz -12dB MIN
60-80MHz -10dB MIN
80-100MHz -8dB MIN
- CROSS TALK: 1-100MHz -30dB MAX
- COMMON TO COMMON MODE ATTENUATION: 1-100MHz -30dB MIN
- Isolation: PHY Side to Line Side: 2250VDC

UNLESS OTHERWISE SPECIFIED
ALL DIMENSIONS ARE INCHES [MM]
TOLERANCES: EXCEPT AS NOTED
INCHES HOLES

.X ± .10	∅.X ± .10
.XX ± .020	∅.XX ± .015
.XXX ± .015	∅.XXX ± .010



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