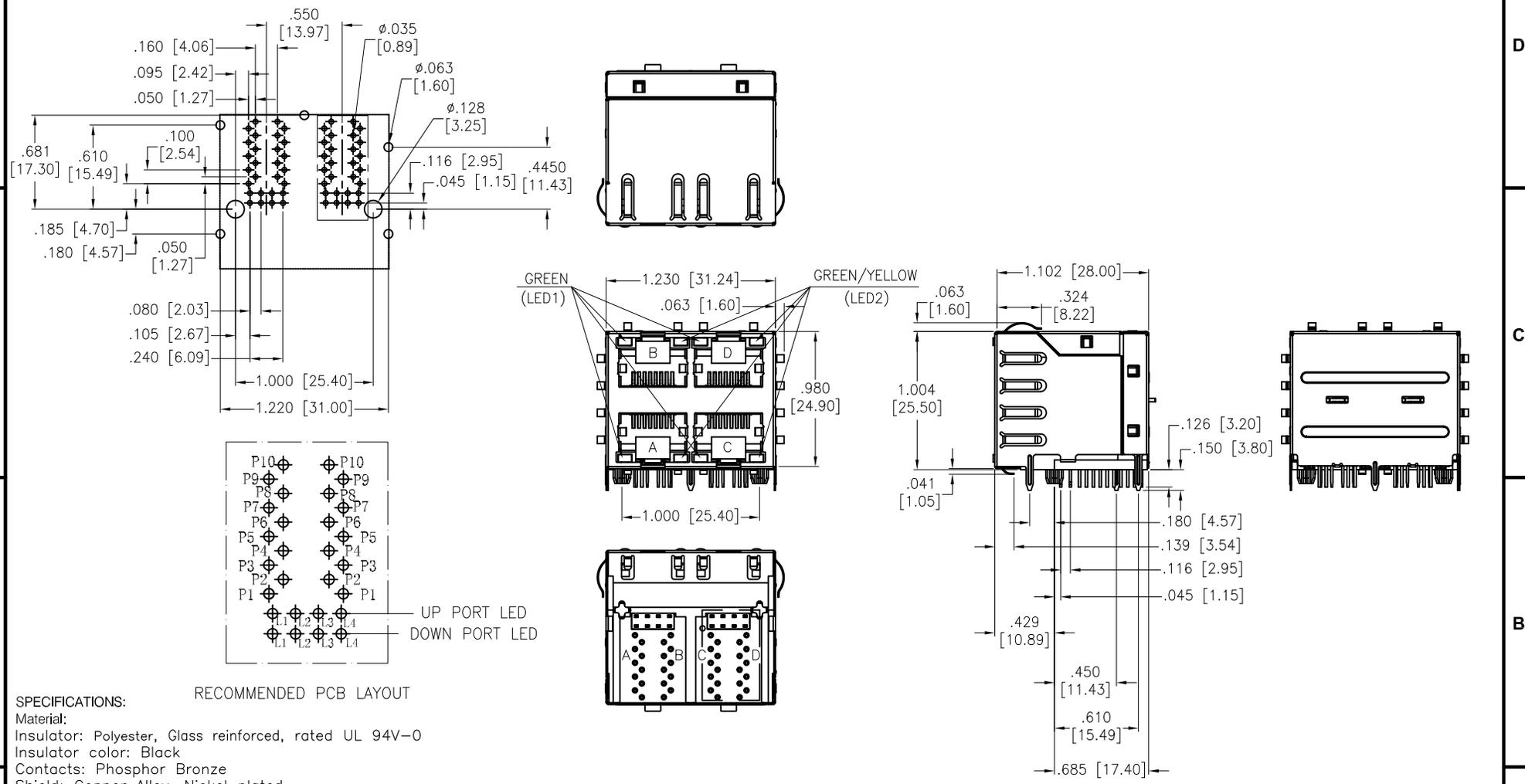


Rev	AWO #	Description	Date	Appr
-		RELEASED	4/10/14	

APPROVED: _____
DATE: _____ TITLE: _____



SPECIFICATIONS:
Material:
Insulator: Polyester, Glass reinforced, rated UL 94V-0
Insulator color: Black
Contacts: Phosphor Bronze
Shield: Copper Alloy, 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:
Contact resistance: 30 mohms max
Insulation resistance: 500 Mohms min
Dielectric withstanding voltage: 1,500 VAC for 1 minute
Temperature Rating:
Operating temperature: 0°C to +70°C
Environmental:
Lead free, RoHS compliant.



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

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

INCHES	HOLES
.X ± .10	Ø.X ± .10
.XX ± .020	Ø.XX ± .015
.XXX ± .015	Ø.XXX ± .010

APPROVALS		DATE
DRAWN	HR	4/10/14
CHECKED	NP	4/10/14
APPROVED		



TITLE MODULAR JACK GANGED, 4 PORT, 8P8C W/ LED1 GREEN LED2 GREEN/YELLOW			
SIZE X	PART NO. MTJG-4-88JX1-V-FSG-PG-LV-M209	REV. -	
REF: S00167T	SCALE: NTS	SHEET 1 OF 2	

6 5 4 3 2 1

APPROVED: _____
 DATE: _____ TITLE: _____

Rev	AWO #	Description	Date	Appr
SEE SHT 1 OF 2 FOR REVISION				

SCHMATIC

LED 1&3 POLARITY			LED 2&4 POLARITY		
L1	L2	COLOR	L3	L4	COLOR
+	-	GREEN	+	-	GREEN
			-	+	YELLOW

ELECTRICAL SPECIFICATIONS:

- Turns Ratio @100KHz: (P1 ~ P2) : (J1 ~ J2) 1:1 ±3%
 (P3 ~ P4) : (J3 ~ J6) 1:1 ±3%
 (P5 ~ P6) : (J4 ~ J5) 1:1 ±3%
 (P7 ~ P8) : (J7 ~ J8) 1:1 ±3%
- Primary Inductance: 350uH min. @ 100KHz, 100mVRMS, 8mA DC BIAS
- Hi-Pot Test: PCB Side To Cable Side 2250VDC
- Insertion Loss:
 0.3MHz~1MHz: -1.1dB Max.
 1MHz~65MHz: -0.8dB Max.
 65MHz~100MHz: -1.0dB Max.
 100MHz~125MHz: -1.2dB Max.
- Return Loss: (Load: 100 ohms)
 1MHz~40MHz: -18dB Min.
 40MHz~100MHz: -12+20Log(F/80)dB Min.
- Cross Talk:
 1MHz~100MHz: -30B Min.
- CM to CM Rejection:
 1MHz~100MHz: -30dB Min.
- CM to DM Rejection:
 1MHz~100MHz: -35dB Min.

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

APPROVALS		DATE
DRAWN	HR	4/10/14
CHECKED	NP	4/10/14
APPROVED		

TITLE
 MODULAR JACK GANGED, 4 PORT, 8P8C
 W/ LED1 GREEN LED2 GREEN/YELLOW

SIZE	PART NO.	REV.
X	MTJG-4-88JX1-V-FSG-PG-LV-M209	-
REF: S00167C	SCALE: NTS	SHEET 2 OF 2

6 5 4 3 2 1