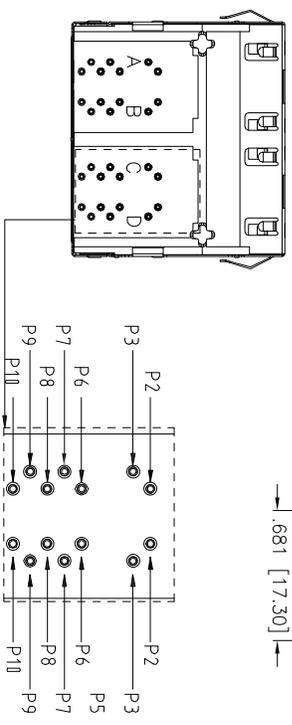
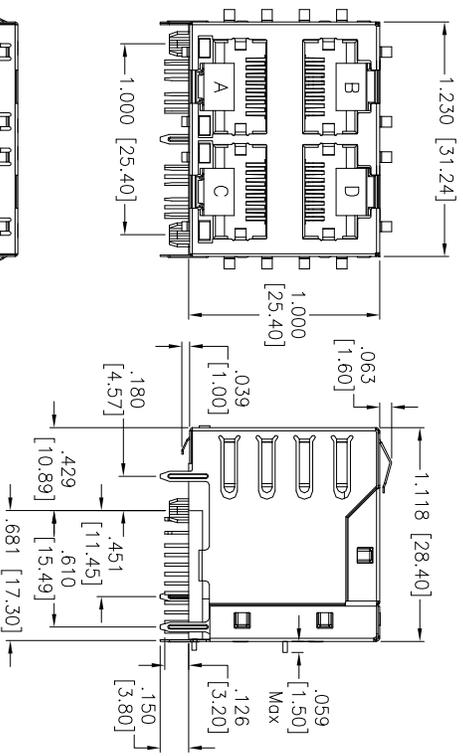
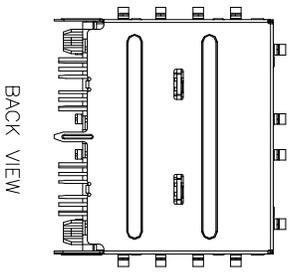
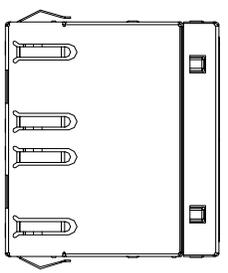


Rev	AWO #	Description	Date	Appr
-		RELEASED	7/11/13	

APPROVED: _____
 DATE: _____ TITLE: _____



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

UNLESS OTHERWISE SPECIFIED
 ALL DIMENSIONS ARE INCHES [MM]
 TOLERANCES: EXCEPT AS NOTED
 INCHES
 .X ± .10
 .XX ± .020
 .XXX ± .015
 .XXX ± .015
 HOLES
 Ø.X ± .10
 Ø.XX ± .015
 Ø.XXX ± .010



TITLE: MODULAR JACK GANGED, 4 PORT, 8P8C

SPECIFICATIONS:
 Material: Insulator: Hi-Temp Thermoplastic, rated UL 94V-0
 Insulator color: Black
 Contacts: Phosphor Bronze
 Shield: Copper Alloy, Nickel plated
 Contact Plating:
 Gold Flash over Nickel underplate on contact area,
 Tin over Copper underplate on tails
 (See chart for thickness).
 Electrical:
 Contact Resistance: 30 mohms max. initial
 Insulation resistance: 500 Mohms min @ 500 VDC
 Dielectric withstanding voltage: 1,500VAC for 1 minut
 Temperature Rating:
 Operating temperature: 0°C to +70°C
 Environmental:
 Lead free, RoHS compliant.



APPROVALS	DATE
DRAWN AY	7/11/13
CHECKED AH	7/11/13
APPROVED	

SIZE	PART NO.	REV.
X	MTJG-4-88UX1-V-FS-PG-M200-HT	-
REF: 500/67T	SCALE: NTS	SHEET 1 OF 3

6

5

4

3

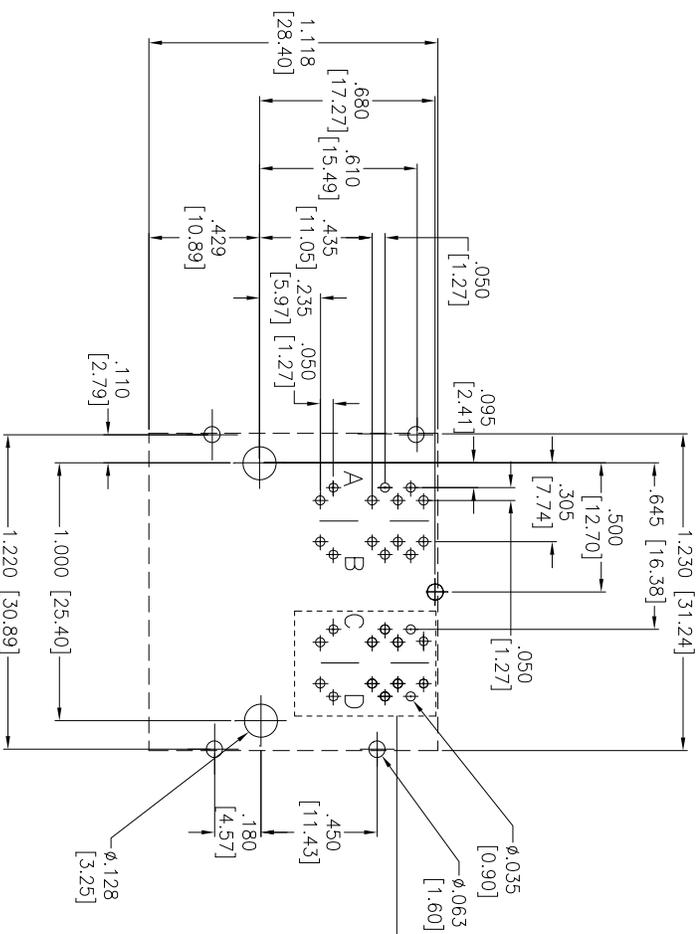
2

1

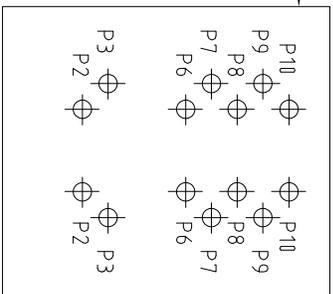
Rev	AWO #	Description	Date	Appr
		SEE SHT 1 OF 3 FOR REVISION		

APPROVED: _____

DATE: _____ TITLE: _____



RECOMMENDED PCB LAYOUT



A

B

C

D

6

5

4

3

2

1



TITLE
MODULAR JACK GANGED, 4 PORT, 8P8C

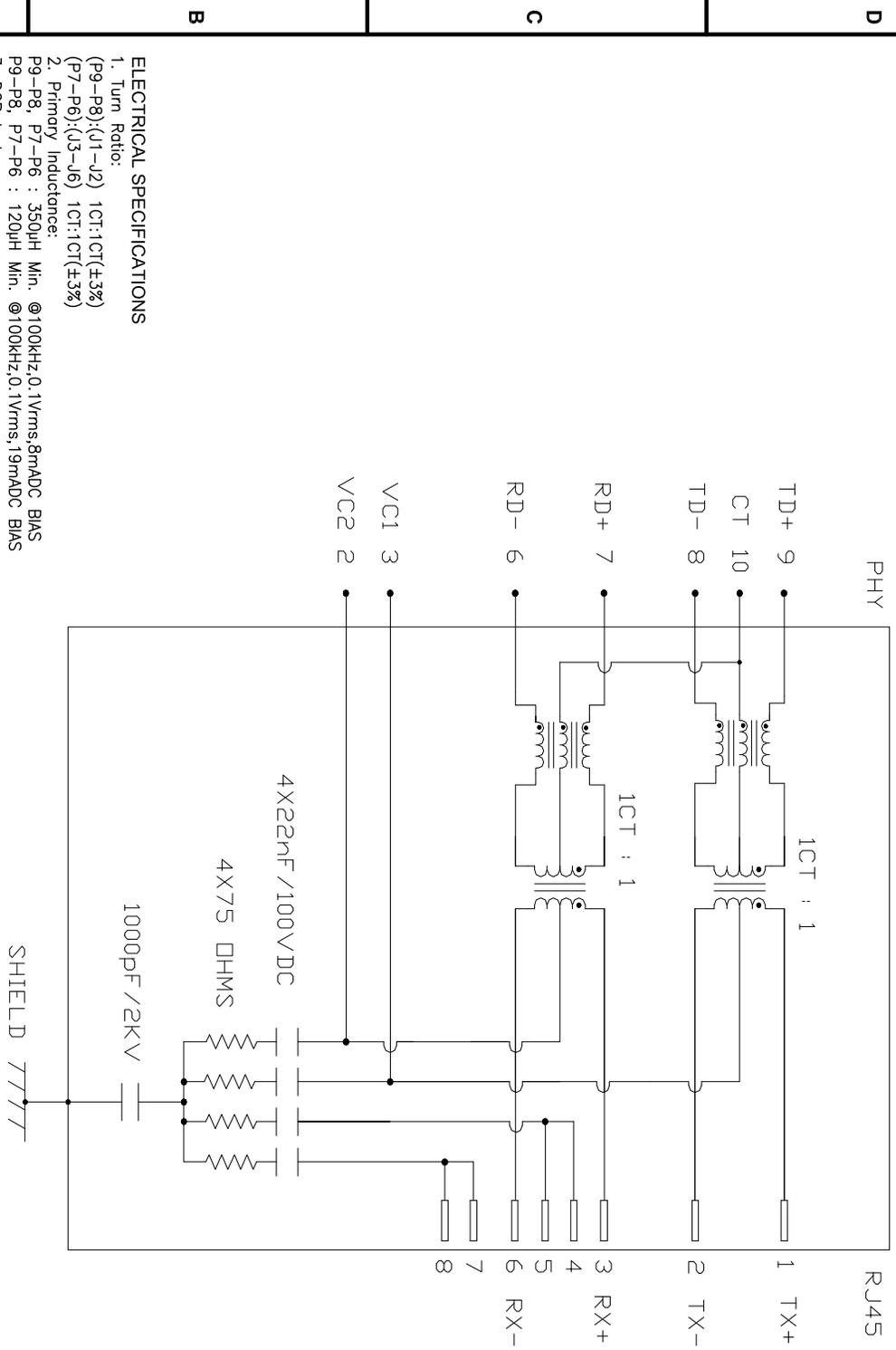
UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE INCHES [MM]	
TOLERANCES: EXCEPT AS NOTED	
INCHES	HOLES
.X ± .10	Ø.X ± .10
.XX ± .020	Ø.XX ± .015
.XXX ± .015	Ø.XXX ± .010
APPROVALS	
DRAWN	AY
CHECKED	AH
APPROVED	
DATE	DATE
7/11/13	7/11/13

SIZE	PART NO.	REV.
X	MTJG-4-88JX1-V-FS-PG-M200	-
REF:	S00005C	SCALE: NTS
		SHEET 2 OF 3

Rev	AWO #	Description	Date	Appr
		SEE SH1 1 OF 3 FOR REVISION		

APPROVED: _____

DATE: _____ TITLE: _____



ELECTRICAL SPECIFICATIONS

1. Turn Ratio:
(P9-P8):(U1-U2) 1CT:1CT(±3%)
(P7-P6):(U3-U6) 1CT:1CT(±3%)
2. Primary Inductance:
P9-P8, P7-P6 : 350µH Min. @100kHz,0.1Vrms,8mA DC BIAS
P9-P8, P7-P6 : 120µH Min. @100kHz,0.1Vrms,19mA DC BIAS
3. DCR test
(U1-U2), (U3-U6) : 1.2 Ohms Max
4. HI-POT TEST :
INPUT TO OUTPUT : 1500Vrms
5. Insertion Loss:
1MHz~100MHz -1.2dB MAX.
6. Return Loss: 1MHz~30 MHz -18dB MIN (Load:100 ohms)
30MHz~80 MHz -12+20LOG(f/30)dB MIN (Load:100 ohms)
7. CROSS TALK: 1MHz~40 MHz -35dB MIN.
40MHz~100 MHz -33+20LOG(f/50)dB MIN.
8. CM TO CM REJECTION:
1MHz~100 MHz -30dB MIN.
9. Balanced DC Line current/ Voltage rating:
600mA Max. @ 57VDC Continuous
1.2A Max. @ 57VDC for 200 Milliseconds.



MODULAR JACK GANGED, 4 PORT, 8P8C

UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE INCHES [MM] TOLERANCES: EXCEPT AS NOTED	
.X ± .10 INCHES	Ø.X ± .10 HOLES
.XX ± .020 .XXX ± .015	Ø.XXX ± .015
APPROVALS	DATE
DRAWN AY	7/11/13
CHECKED AH	7/11/13
APPROVED	

SIZE	PART NO.	REV.
X	MTJG-4-88JX1-V-FS-PG-M200	-
REF: S00005C	SCALE: NTS	SHEET 2 OF 3