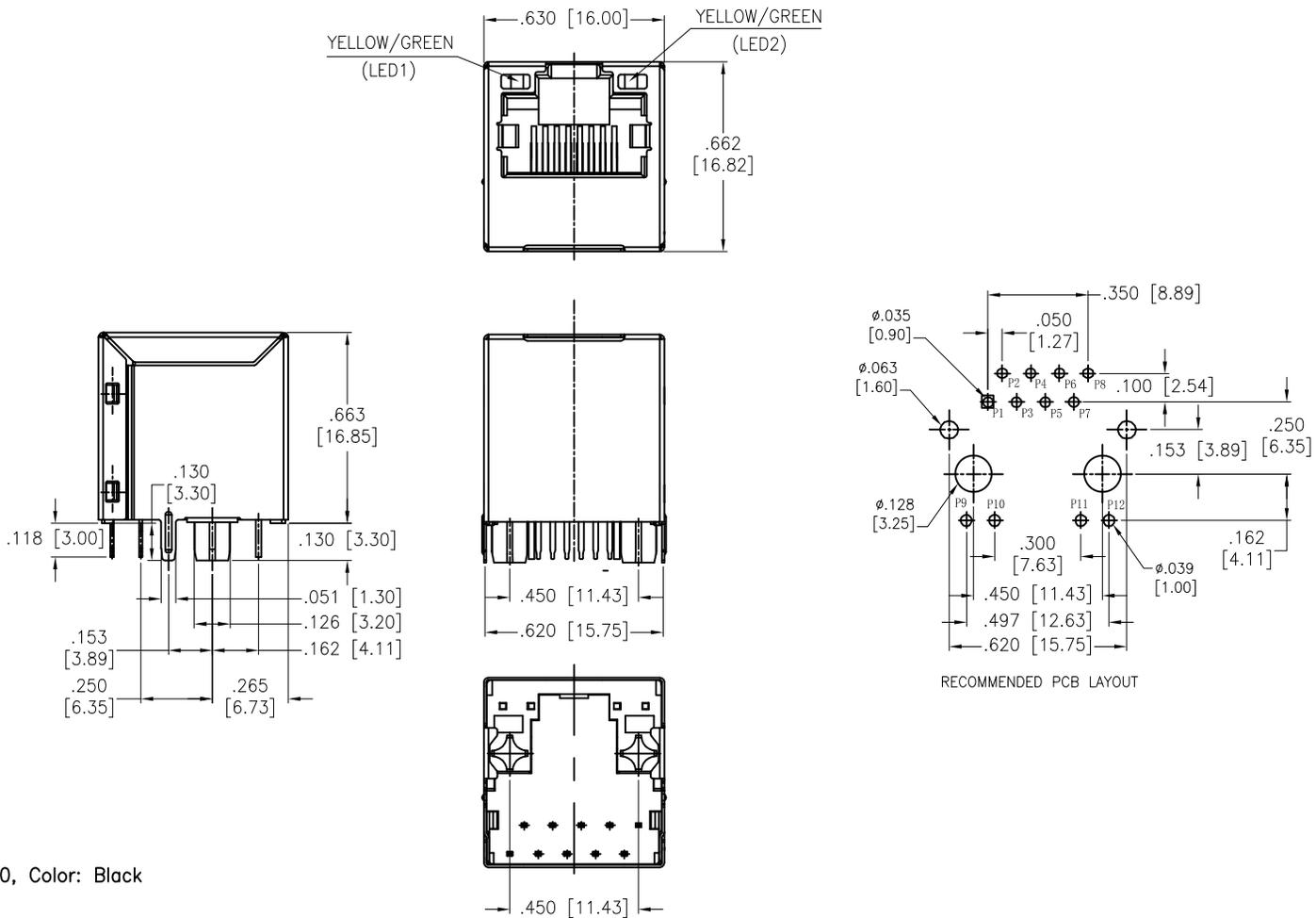


APPROVED: _____
 DATE: _____ TITLE: _____

Rev	AWO #	Description	Date	Appr
-		RELEASED	11/3/20	



SPECIFICATIONS:
 Material:
 Housing: PA66, rated UL 94V-0, Color: Black
 Contacts: Copper Alloy
 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
 Electrical:
 Voltage rating: 150 VAC
 Contact Resistance: 20 mohms max
 Insulation resistance: 500 Mohms min
 Dielectric withstanding voltage: 1,500 VAC or 2,250 VDC
 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

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

APPROVALS		DATE
DRAWN	OW	11/3/20
CHECKED	DH	11/3/20
APPROVED		

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

SIZE	PART NO.	REV.
X	MTJ-88AX1-FSN-STP-LP-M4C-WOT	-

REF: S00005C SCALE: NTS SHEET 1 OF 2

6

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APPROVED: _____

DATE: _____ TITLE: _____

Rev AWO # Description Date Appr

SEE SHT 1 OF 2 FOR REVISION

Circuit Schematic:

Pin	Yellow	Green	Pin	Yellow	Green
P10	-	+	P11	-	+
P9	+	-	P12	+	-

Electronical Specifications:

- Turn Ratio @100KHz: (P1~P2):(J1~J2) = 1:1±5%
(P3~P6):(J3~J6) = 1:1±5%
- Primary Inductance: 350uH MIN @100KHZ, 0.1V 8mA DC BIAS
- DC Resistance:(J1~J2):(J3~J6) 1.2 OHMS MAX
- Insertion Loss: 1-100MHz -1.2dB MAX
- Return Loss: 1-30MHz -16dB MIN
30-60MHz -12dB MIN
60-80MHz -10dB MIN
- CROSS TALK: 1-100MHz -30dB MIN
- COMMON TO COMMON MODE ATTENUATION: 1-100MHz -30dB MIN
- Isolation: PHY Side to Line Side: 1500VAC or 2250VDC

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

TITLE MODULAR TELEPHONE JACK, 1 PORT, 8P8C
W/ LED1 & LED2 YELLOW/GREEN, STAR PEG

APPROVALS		DATE
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APPROVED		

SIZE	PART NO.	REV.
X	MTJ-88AX1-FSN-STP-LP-M4C-WOT	-

REF: S00005C SCALE: NTS SHEET 2 OF 2

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