

6 5 4 3 2 1

APPROVED: _____
 DATE: _____ TITLE: _____

Rev	AWO #	Description	Date	Appr
-		RELEASED	9/25/20	

Technical drawings of a modular telephone plug. The drawings include a front view, a side view, a top view, and a cross-sectional view (A-A). Dimensions are provided in millimeters with tolerances. Key dimensions include: overall length 30.2±0.3, contact length 5.89±0.13, contact diameter 2.77±0.1, contact thickness 6.60±0.1, contact width 8.55±0.1, contact pitch 0.56, contact width P1.02, contact diameter 0.10±0.07, contact length 1.02X7=7.14, contact width 8.9, contact thickness 2.25, contact width 4.5, contact length 6.02±0.13, and contact width 8.36MAX.

SPECIFICATIONS:

Material:
 Insulator: PC, Color: Clear
 Contacts: Copper Alloy
 Plating:
 Gold over Nickel underplate on contact area

Electrical:
 Voltage rating: 150 VAC rms
 Current rating: 1.5 Amp
 Contact resistance: 20 mohms max
 Insulation resistance: 1000 Mohms min @ 500 VDC
 Dielectric withstanding voltage:
 Contact to Contact: 1,000 VDC or AC Peak for 1 minute
 Contact to Shield: 1,500 VDC or AC Peak for 1 minute

Mechanical:
 Wire range: 24~26AWG, Ø0.89mm~0.99mm
 Temperature Rating:
 Operating temperature: -25°C to +55°C
 Environmental:
 Lead free, RoHS compliant.

" X "	PLATING
X	Gold flash
U	15 µin Gold
W	30 µin Gold
G	50 µin Gold

UNLESS OTHERWISE SPECIFIED
 ALL DIMENSIONS ARE MILLIMETERS
 TOLERANCES: EXCEPT AS NOTED

APPROVALS	DATE
DRAWN LH	9/25/20
CHECKED AY1	9/25/20
APPROVED	

0~15 ± 0.15
 15~30 ± 0.20
 30~ ± 0.25

ANGLE ± 1°

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TITLE: MODULAR TELEPHONE PLUG, 8P8C, CAT5

SIZE X	PART NO. MTP-88-X-EMI-SP1	REV. -
REF: S00005C	SCALE: NTS	SHEET 1 OF 1

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