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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 showing 8 contacts with a pitch of 1.02mm and a contact width of 0.56mm. A side view shows a total length of 30.2±0.3mm, with a contact length of 5.89±0.13mm and a body diameter of 2.77±0.1mm. A cross-sectional view shows a contact diameter of 0.100±0.007mm. A detail view shows a contact length of 1.02mm and a width of 7.14mm. Another detail view shows a contact diameter of 2.25mm and a length of 4.5mm. A bottom view shows a total length of 11.68±0.1mm and a contact length of 6.10±0.08mm. A side view shows a total length of 8.36mm MAX and a contact length of 6.02±0.13mm.

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,  $\phi$ 0.89mm~0.99mm  
 Temperature Rating:  
 Operating temperature: -25°C to +55°C  
 Environmental:  
 Lead free, RoHS compliant.

" X "	PLATING
X	Gold flash
U	15 $\mu$ in Gold
W	30 $\mu$ in Gold
G	50 $\mu$ in Gold

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

0~15	± 0.15
15~30	± 0.20
30~	± 0.25

ANGLE: ± 1°

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

**ADAM TECH**

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TITLE: MODULAR TELEPHONE PLUG, 8P8C, CAT5

SIZE	PART NO.	REV.
X	MTP-88-X-EMI-SP1	-

REF: S00005C SCALE: NTS SHEET 1 OF 1

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