

HSM90 HIGH SPEED MULTI-COAXIAL CABLE ASSEMBLIES

DC TO 90GHz

Basic Information

- **Item Name** HSM90 High Speed Multi-Coaxial Cable Assemblies
- **Cable** .047" Low Loss Flexible Cable
- **End 1 Coax Contact** XMPM Male
- **End 2 Connector** 1.0mm Male

Features

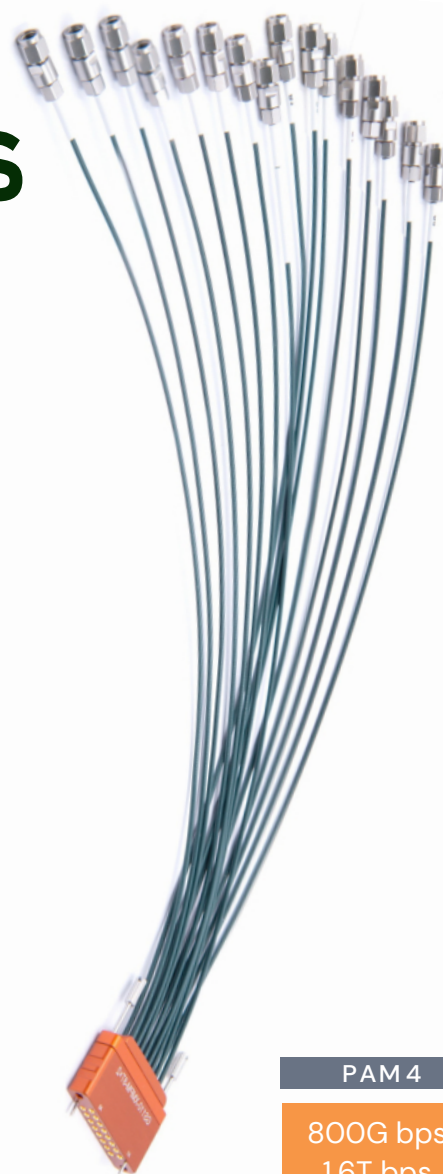
- Spring-Loaded Contact
- One-Piece Interface for Direct-Attach Mount
- Solder-Free Installation
- High-Density, Space-Saving Design
- Single Row or Double Row Option

Typical Application

- Signal Integrity Measurement
- SERDES Development
- Differential Signal Measurement
- Physical Layer Measurement
- Jitter Measurement
- Automated Test Equipment

Specification

Parameter	Performance
Channels	16 (2 Rows)
Pitch	3mm
Frequency Range	DC - 90 GHz
Insertion Loss	$< 9.65 \cdot L(M) + 0.65$ dB @DC-56GHz ; $< 13 \cdot L(M) + 0.9$ dB @56-90GHz
VSWR	$< 1.35:1$ @DC-56GHz ; $< 1.50:1$ @56-90GHz
Delay Match	+/- 1 ps
Insulation Resistance	> 1000 M Ω
Impedance	50 Ω
Voltage Standing (V, DC)	> 500 V
Temperature	-55 °C ~ +85 °C

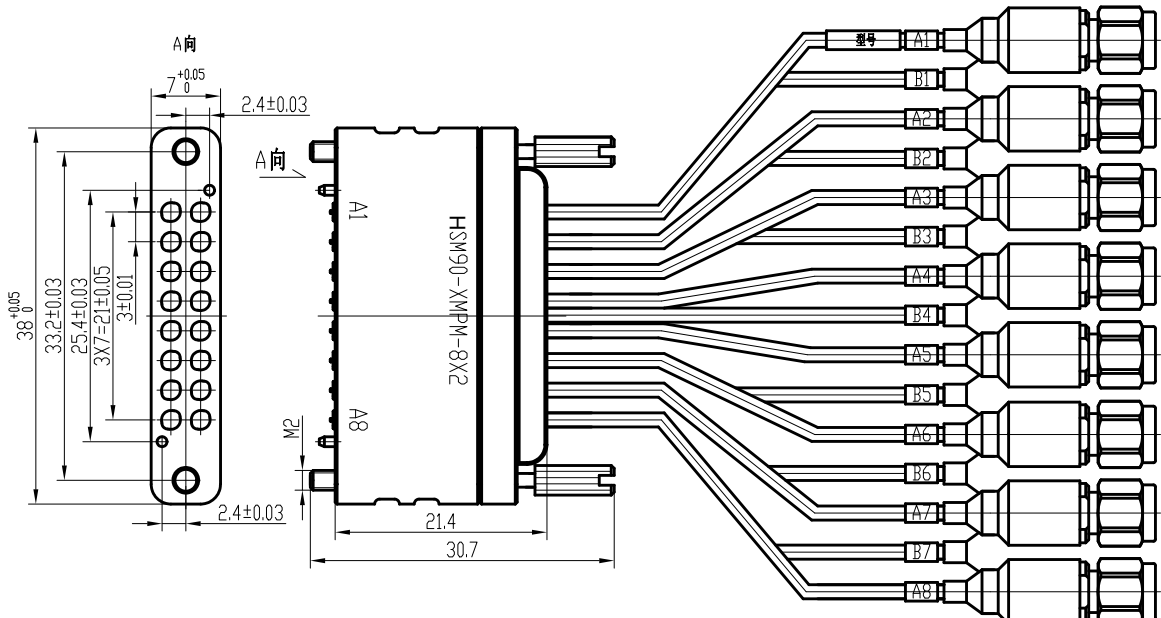


PAM 4

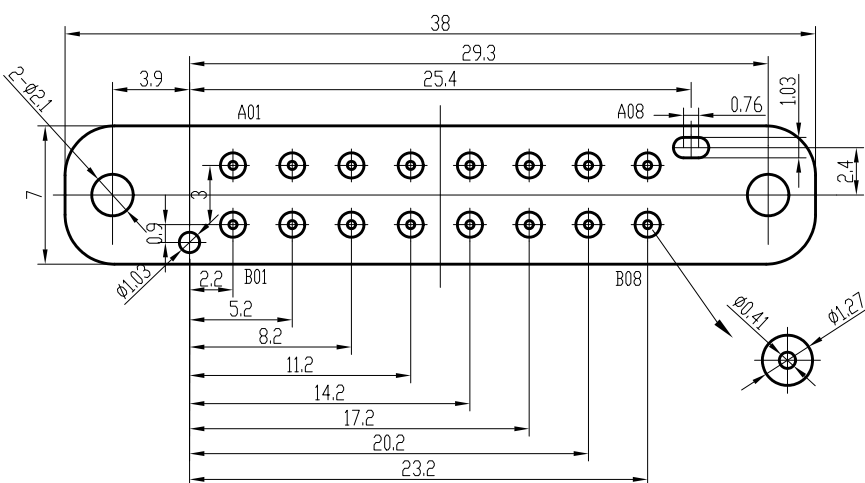
800G bps
1.6T bps



Outline Drawing:



Recommended Socket Size:



Part Numbering:

HSM90-XMPM-8X2-1Y-0.3M

- Length
- End 2 Connector Type (1Y - 1.0mm Male, 1Z - 1.0mm Female)
- Channel & Row Number
- End 1 Contact Type
- Transmission Type Frequency



Electrical Specification

