Product Searches

- 7/16
- 1.0/2.3
- 1.6/5.6
- AFI
- AMC
- BNC / RP-BNC
- C
- FAKRA SMB
- FME
- HN
- MCX
- Mini BNC
- Mini-UHF
- Mini 75 Ohm SMB
- MMCX
- Precision (APC)
- QMA
- QWS
- SC
- SMA / RP-SMA
- SMB
- SMC
- SMP
- SSMB
- TNC / RP-TNC
- Triax
- Twin BNC
- Twinax
- Type F
- Type G
- Type N
- UHF
- -------
- Adapters
- Cable Assemblies
- Tools
- Accessories
- -------
- Product Search
- -------
- Inventory Search

product details

back

image not yet available

Please note: *Images are for reference only*

Amphenol Part Number:	930-128J-51P
Product Series:	QMA
Product Type:	Connectors » Printed Circuit Board
Body Plating:	Gold
Connector Body Style:	Angle
Contact Plating:	Gold
Gender:	Jack
Impedance:	50 Ohm
RoHS Compliant:	Yes
Terminal Type:	Thru-Hole

NOTES:

1. MATERIALS AND FINISHES:

   BODY - BRASS, GOLD PLATED (.000010 MIN.) OVER WHITE BRONZE (.000080 MIN.)
   CONTACT - BERYLLIUM COPPER, GOLD PLATED (.000030 MIN.) OVER WHITE BRONZE (.000080 MIN.)
   INSULATORS - TFE FLUOROCARBON

2. ELECTRICAL:

   A. IMPEDANCE: 50 OHM, NOMINAL
   B. FREQUENCY RANGE: DC - 6.0 GHz
   C. VSWR(RETURN LOSS): 1.300 (-17.7 dB), MAX.
   D. D.W.V.: 1000 VRMS, MIN.

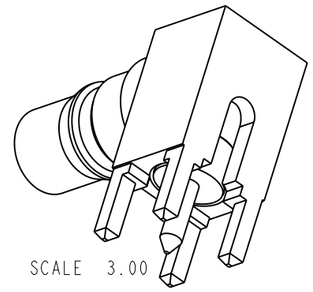
3. MECHANICAL:

   A. DURABILITY: 100 CYCLES MIN.
   B. TEMPERATURE RANGE: -40° C TO +80° C

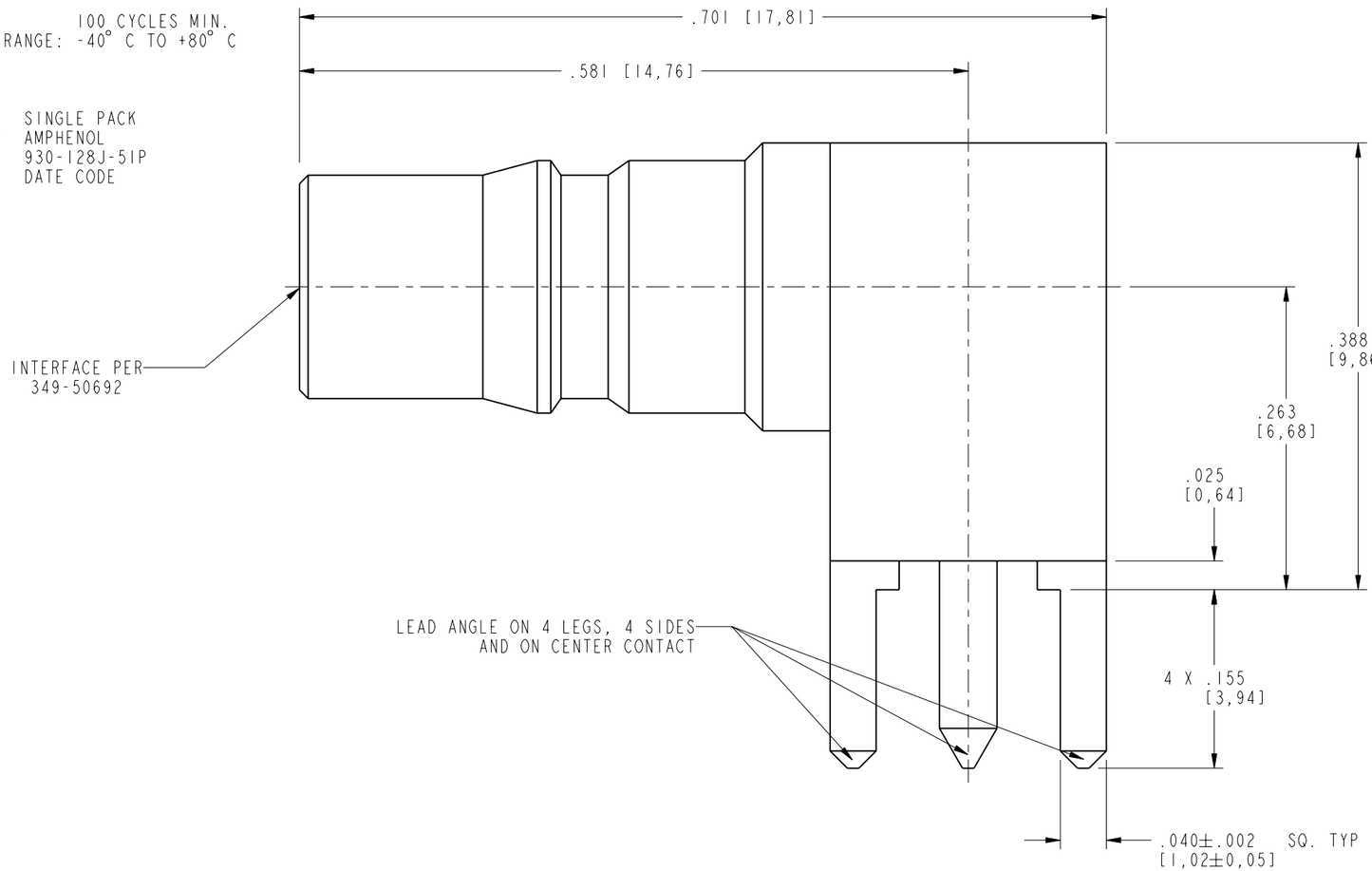
4. PACKAGING:

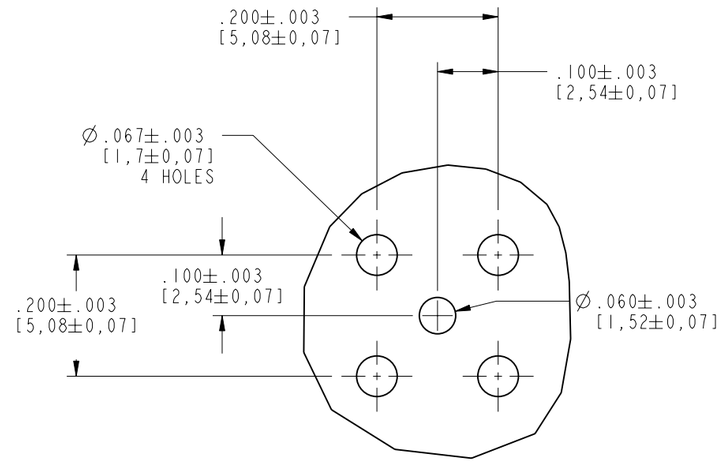
   A. QUANTITY: SINGLE PACK
   B. BAG MARKING: AMPHENOL
   930-128J-5IP
   DATE CODE

930-128J-5IP	REVISIONS				
DRAWING NO.	REV	DESCRIPTION	DATE	ECO	APPR
THIRD ANGLE PROJ.	A	RELEASE TO MFG	7/23/04	45076	BCG



SCALE 3.00





RECOMMENDED PCB HOLE PATTERN

CUSTOMER OUTLINE DRAWING

ALL OTHER SHEETS ARE FOR INTERNAL USE ONLY

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES AND TOLERANCES ARE:
2 PLACE DECIMAL ±.015 (0,381 mm) | 3 PLACE DECIMAL ±.005 (0,127 mm) | ANGLES ± 1°

MATERIAL

REFERENCE
615X-2056-100

EAR# 1186
GEN# ASSYF8_QMA

DRAWN B.C. GLEISSNER	DATE 11-Jun-04	
ENGINEER B.C. GLEISSNER	DATE 11-Jun-04	
APPROVED O. BARTHELMES	DATE 7/23/04	
CAD FILE I:\SMA\930-128J-5IP		

TITLE
QMA JACK
RIGHT ANGLE
PC MOUNT

Amphenol RF
Danbury, CT, USA
Tainan, Taiwan
Shenzhen, China
www.amphenolrf.com

SCALE: 8.0:1 | SHEET 2 OF 2

CODE ID	DWG SIZE	DRAWING NO.	REV
74868	B	930-128J-5IP	A

Product Pages

- 7/16
- 1.0/2.3
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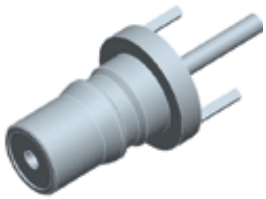
- -------
- Adapters
- Cable Assemblies
- Tools
- Accessories
- -------
- Product Search
- -------
- Inventory Search

QMA connector series

Product Links | Features & Benefits | Applications | Part Number System | Specifications
Interface Drawings

The QMA connector is a quick disconnect version of the SMA connector and shares the same internal construction, which allows the connector to have excellent performance. The electrical performance benefits of the QMA include low loss RF performance up to 6 GHz. Because of the innovative coupling mechanism, a 360-degree butt joint is maintained which results in low RF leakage. Since the RF line is identical to the SMA series, the QMA connectors also offer the same high power handling capability. This gives the series significant advantages over other quick disconnect connectors.



Mechanically the QMA series offers a more convenient installation than SMA connectors. Because the interface mates with a snap-on instead of a threaded coupling, there is a significant time advantage. Typically, these connectors can be installed into a system 10 times faster than an SMA connector. Another benefit of eliminating the threaded coupling is the denser packaging. The pitch between connector can be reduced because there is no requirement for wrench clearance. Finally, the connectors can be rotated 360 degrees after they are mated which greatly improves the flexibility of installations.

Product Links

All QMA Products

Features & Benefits

- Operates at the same electrical performance as SMA up to 6 GHz
- Snap-on interface for quick and easy installation
- Rotatable 360° after connection for flexibility with installation

Applications

- Base Station Equipment
- Cable Assemblies
- Amplifiers

Part Number System Overview

930-1XXY-51Z

930: QMA Series
1XX: Sequential Number
Y: Connector Sex
- P - Plug
- J - Jack

Z: Body Style
- S - Straight
- A - Right Angle

QMA Specifications

Electrical	
Impedance	50 Ω
Frequency Range	DC - 6 GHz
Return Loss	DC - 3 GHz ≥ 32 dB; 3 - 6 GHz ≥ 25 dB
Dielectric Withstanding Voltage	1,000 V rms, 50 Hz at sea level
Working Voltage	≤ 335 V rms, 50 Hz at sea level
Insulator Resistance	≥ 5,000 MΩ
Center Contact Resistance	≤ 3 mΩ
Outer Contact Resistance	≤ 2.5 mΩ
RF Leakage	DC - 3 GHz 80 dB minimum, 3 - 6 GHz 70 dB minimum
Mechanical	
Engagement Force	5.6 lbs (25 N)
Disengagement Force	4.5 lbs (20 N)
Retention Force for Interface	≥ 13.5 lb (60 N)
Mating Cycles	100
Distance Between Connectors	.49 inches (12.4mm) minimum
Material	
Body	White bronze over brass
Solder Body	Gold over brass
Pin Contact	Gold over brass
Socket Contact	Gold over beryllium copper
Outer Contact	White bronze over spring bronze
Insulator	PTFE
Crimp Ferrule	White bronze over copper
Environmental	
Temperature Range	-40°C to +80°C

Note: These characteristics are typical but may not apply to all connectors.

*Amphenol RF is a member of the Quick Lock Formula® Alliance.
For further information on the QLF®, visit www.qlf.info.

back to top