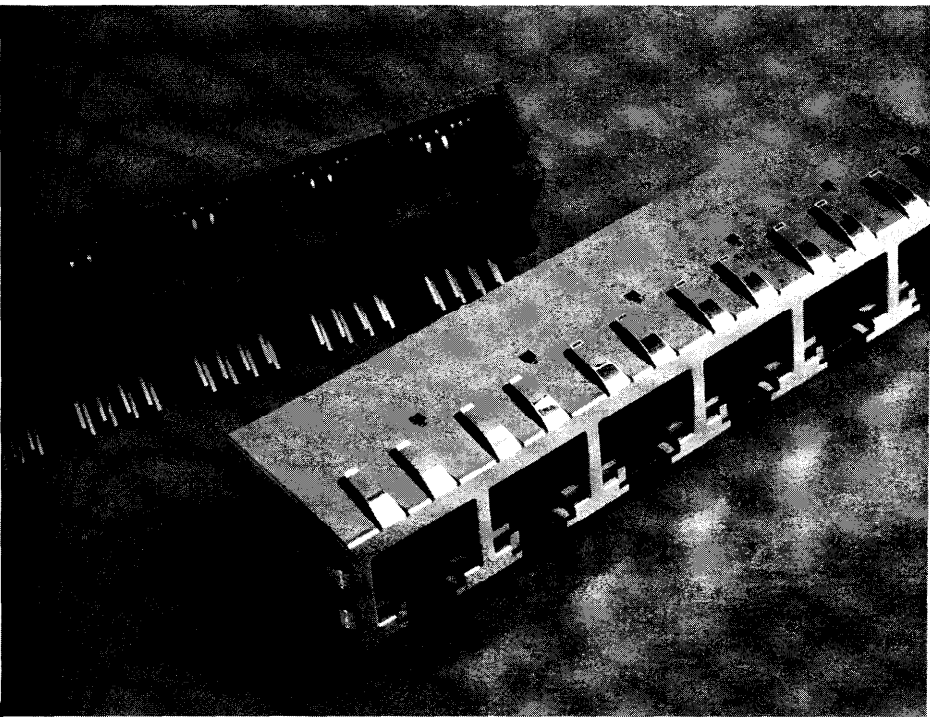


High-Performance, Harmonica Jacks

Shielded and Unshielded

71 Series

Features/Benefits



The 71 Series multiport harmonica jacks provide two to eight shielded ports and two to thirteen unshielded ports. The harmonica design facilitates PCB insertion and saves space.

- Designed for high-performance, Category 5 applications
- Right-angle configuration
- Standard PCB contact footprint for fast-and-easy, drop-in replacement into existing circuit board patterns
- Available in both shielded and unshielded versions
- Preloaded, formed-wire contacts offer superior mechanical and electrical performance
- See How to Order for additional options

Specifications

Materials

Jack Housing: UL 94V-O-rated glass-filled thermoplastic

Contacts: Copper alloy

Contact Plating: Selective gold plate in contact area, tin-lead in solder tail area

Shielding: Tin-plated brass

Electrical Characteristics

Current Rating: 1.5 A (maximum) @ 25° C

Voltage Rating: 150 VAC (maximum)

Low-level Contact Resistance: 15 mΩ maximum allowable change (using Stewart Connector plug)

Dielectric Withstanding Voltage: 1000 Vrms, 1 min. (60 Hz)

Insulation Resistance: 500 MΩ (minimum)

Mechanical Characteristics

Contact Normal Force: 100 g (minimum)

Jack Tolerances and Dimensions: Compliant with FCC requirements

Environmental Characteristics

Operating Temperature: -20° C to 85° C

Approvals/Certifications

UL Component Recognized, File E132408 (N)-DUXR2

CSA Certified, File #67725



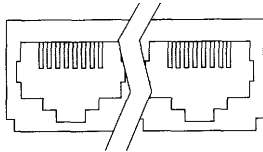
Meets requirements of FCC Part 68.5 when plated with 50 [1.27 μm] microinches of gold

High-Performance, Harmonica Jacks

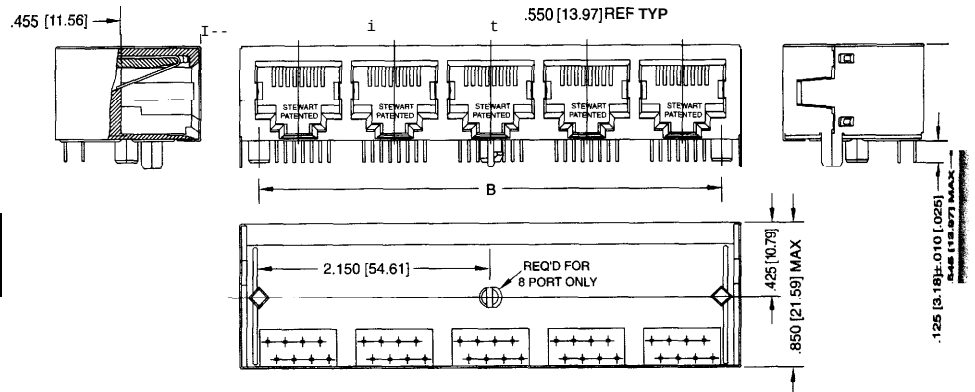
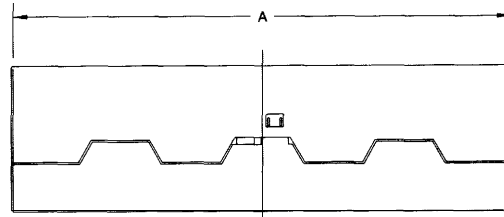
- Shielded

Flange Option

No Flange
(NF)



Eight-Contact, Eight-Position Multiport Shielded (Two-Piece)



NOTE: For two-piece shielded footprint configuration, contact Stewart.

Dimension Chart

Dimension	Ports					
	2	3	4	5	6	8
A	1.254 [31.85]	1.804 [45.82]	2.354 [59.79]	2.904 [73.76]	3.454 [87.73]	4.554 [115.67]
B	1.000 [25.40]	1.550 [39.37]	2.100 [53.34]	2.650 [67.31]	3.200 [81.28]	4.300 [109.22]

Quick Reference Chart

Description						Options
	Series	Contacts Inserted	Contact Positions	Number of Ports	Shielding	Flange Options
					Two Piece (S)	NF
RJ-45*	71	8	8	02, 03, 04, 05, 06, 08	•	•

*Typical applications.

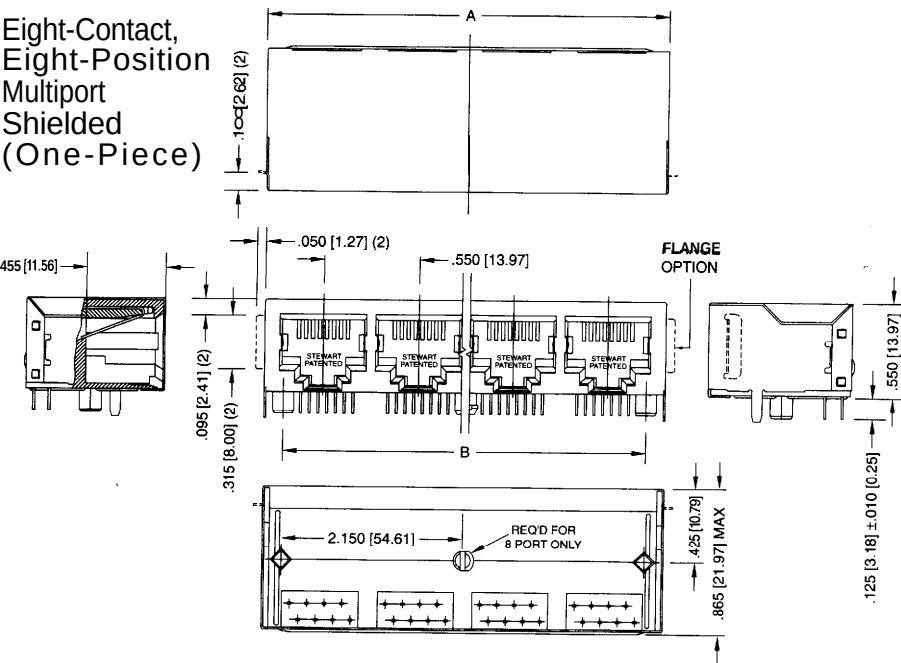
For How to Order information, see page 54.

All dimensions are in inches with metric values in brackets.

High-Performance, Harmonica Jacks

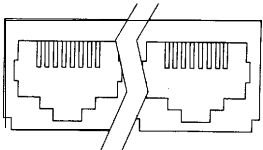
- Shielded

Eight-Contact,
Eight-Position
Multiport
Shielded
(One-Piece)

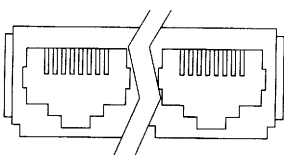


Flange Options

No Flange
(NF)



Panel Stop
(FLS)



NOTE For one-piece shield footprint configuration see page 53

Dimension Chart				
Dimension	Ports			
	2	4	6	8
A	1.254 [31.85]	2.354 [59.79]	3.454 [87.73]	4.554 [115.67]
B	1.000 [25.40]	2.100 [53.34]	3.200 [81.28]	4.300 [109.22]

Quick Reference Chart						
Description					Options	
Series	Contacts Inserted	Contact Positions	Number of Ports	Shielding	Flange Options	
				One Piece (S-A)	FLS	NF
71	8	8	02, 04, 06, 08	●	●	●

*Typical applications

For How to Order information see page 54

† dimensions are in inches with metric values in brackets