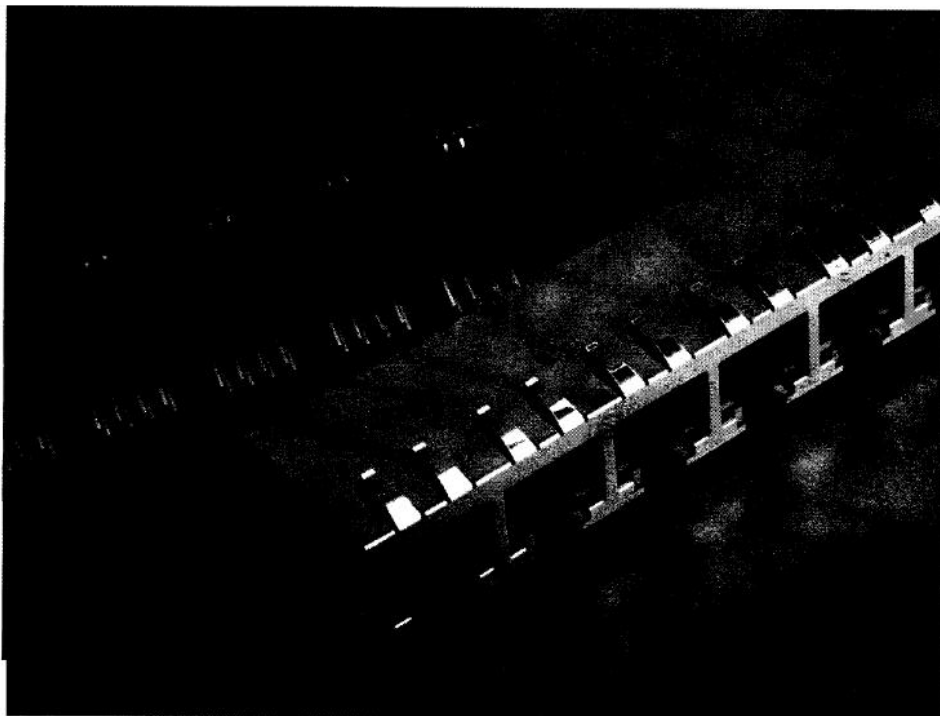


High-Performance, Harmonica Jacks Shielded and Unshielded



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-0-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 m Ω maximum allowable change (using Stewart Connector plug)

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

Insulation Resistance: 500 M Ω (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 EI32408 (N)-DUXR2

CSA Certified, File #67725 



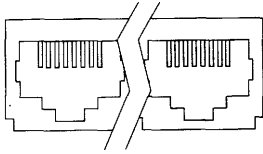
Meets requirements of FCC Part 68.5 when plated with 50 [1.27 μ m] microinches of gold

High-Performance, Harmonica Jacks

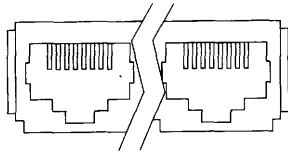
• Unshielded

Flange Options

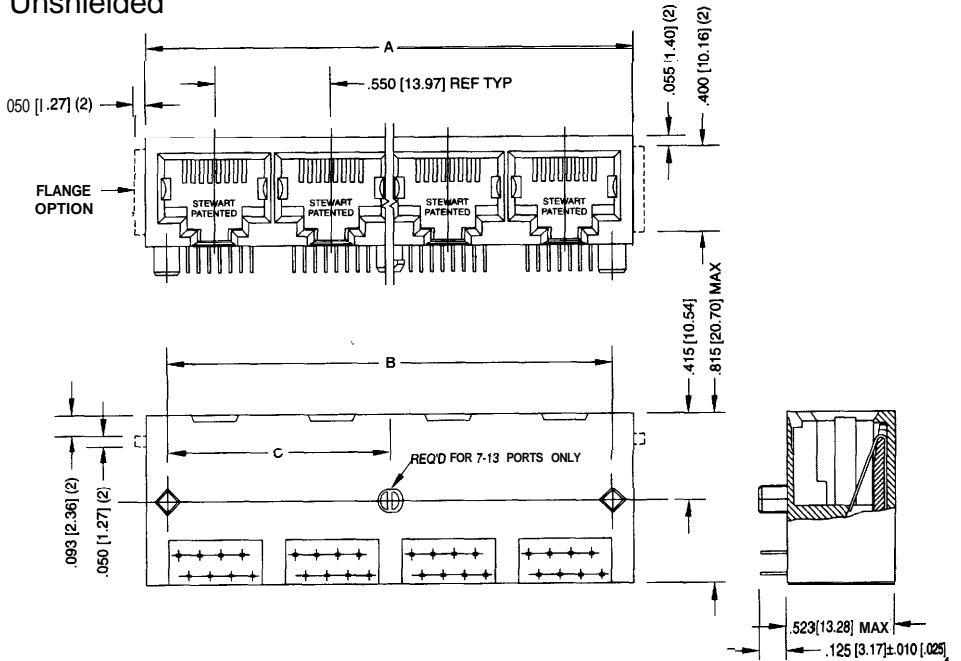
No Flange
(NF)



Panel Stop
(FLS)



Eight-Contact, Eight-Position Multiport Unshielded

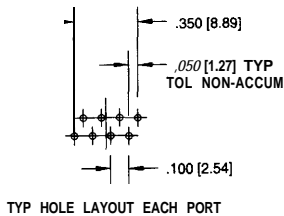


Dimension Chart

Dimension	Ports							
	2	3	4	5	6	7	8	
A	1.205 [30.61]	1.755 [44.58]	2.305 [58.55]	2.855 [72.52]	3.405 [±] [86.49]	3.955 [100.46]	4.505 [114.43]	
B	1.000 [25.40]	1.550 [39.37]	2.100 [53.34]	2.650 [67.31]	3.200 [81.28]	3.750 [95.25]	4.300 [109.22]	
C						1.875 [47.63]	2.150 [54.61]	

Dimension	Ports				
	9	10	11	12	13
A	5.055 [128.40]	5.055 [142.37]	6.155 [156.34]	6.705 [170.31]	7.255 [184.82]
B	4.850 [123.19]	5.400 [137.16]	5.950 [151.13]	6.500 [165.10]	7.050 [179.07]
C	2.425 [61.60]	2.700 [68.58]	2.975 [75.57]	3.250 [82.55]	3.525 [89.54]

Footprint of Typical Hole Layout of Each Port



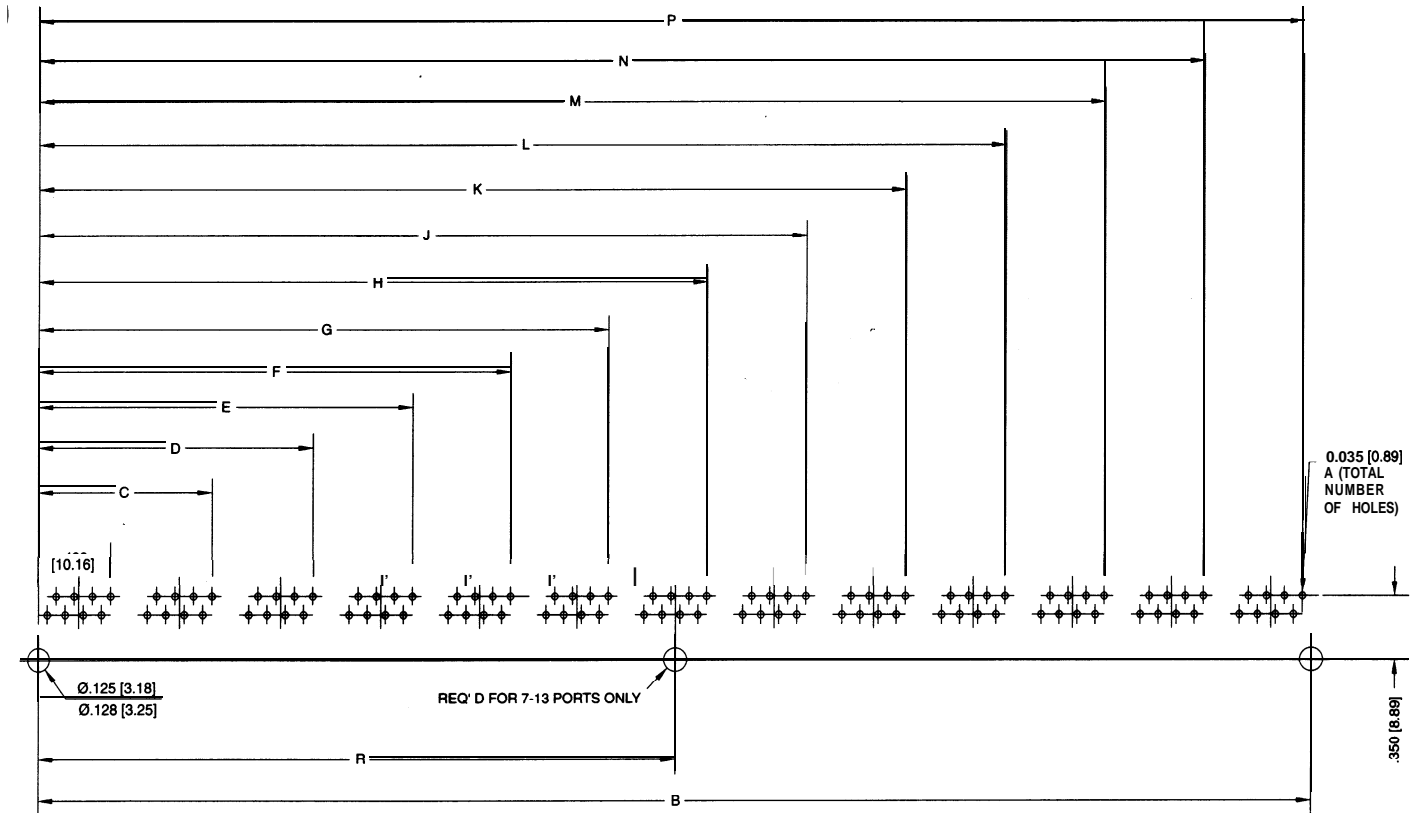
Quick Reference Chart

Description				Options	
Series	Contacts Inserted	Contact Positions	Number of Ports	FLS	NF
RJ-45*	8	8	2 through 13	•	•

*Typical applications.
For How to Order information, see page 54.

High-Performance, Harmonica Jacks

• Unshielded • Footprint Configuration



Note: See sidebar on opposite page for footprint of typical hole layout of each port.

Footprint Dimension Chart

Ports	Dimensions														
	A	B	C	D	E	F	G	H	J	K	L	M	N	P	R
2	16	1.000 [25.40]	.950 [24.13]												
3	24	1.550 [39.37]	.950 [24.13]	1.500 [38.10]											
4	32	2.100 [53.34]	.950 [24.13]	1.500 (38.10)	2.050 [52.07]										
5	40	2.650 [67.31]	.950 [24.13]	1.500 [38.10]	2.050 [52.07]	2.600 (66.04)									
6	48	3.200 [81.28]	.950 [24.13]	1.500 [38.10]	2.050 [52.07]	2.600 [66.04]	3.150 [80.01]								
7	56	3.750 [95.25]	.950 [24.13]	1.500 [38.10]	2.050 [52.07]	2.600 [66.04]	3.150 [80.01]	3.700 [93.98]							1.875 [47.63]
8	64	4.300 [109.22]	.950 [24.13]	1.500 [38.10]	2.050 [52.07]	2.600 [66.04]	3.150 [80.01]	3.700 [93.98]	4.250 [107.95]						2.150 [54.61]
9	72	4.850 [123.19]	.950 [24.13]	1.500 [38.10]	2.050 [52.07]	2.600 [66.04]	3.150 [80.01]	3.700 [93.98]	4.250 [107.95]	4.800 [121.92]					2.425 [61.60]
10	80	5.400 [137.16]	.950 [24.13]	1.500 [38.10]	2.050 [52.07]	2.600 [66.04]	3.150 [80.01]	3.700 [93.98]	4.250 [107.95]	4.800 [121.92]	5.350 [135.89]				2.700 [68.58]
11	88	5.950 [151.13]	.950 [24.13]	1.500 [38.10]	2.050 [52.07]	2.600 [66.04]	3.150 [80.01]	3.700 [93.98]	4.250 [107.95]	4.800 [121.92]	5.350 [135.89]	4.900 [124.46]			2.975 [75.57]
12	96	6.500 [165.10]	.950 [24.13]	1.500 [38.10]	2.050 [52.07]	2.600 [66.04]	3.150 [80.01]	3.700 [93.98]	4.250 [107.95]	4.800 [121.92]	5.350 [135.89]	4.900 [124.46]	5.900 [149.86]		3.250 [82.55]
13	104	7.050 [179.07]	.950 [24.13]	1.500 [38.10]	2.050 [52.07]	2.600 [66.04]	3.150 [80.01]	3.700 [93.98]	4.250 [107.95]	4.800 [121.92]	5.350 [135.89]	4.900 [124.46]	5.900 [149.86]	6.450 [163.83]	3.525 [89.54]