

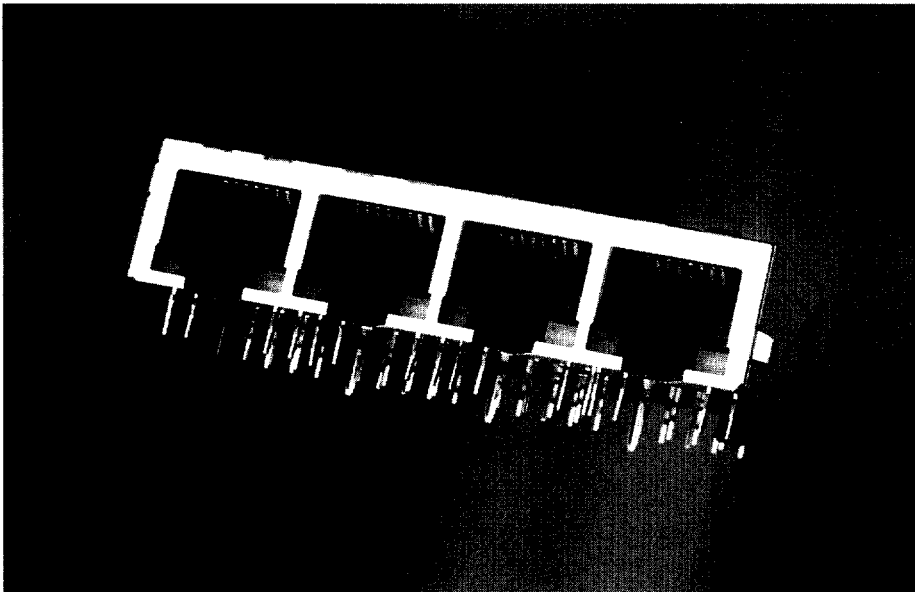
LED Jacks

Unshielded and Shielded, Single-Port and Multiport

74 Series

For Commonly Ordered Parts See Page 81

Features/Benefits



- Single-, 4-, and 6-port shielded configurations
- Contact plating in 30 [.762 μm] or 50 [1.27 μm] microinch gold
- Enhanced shield offers maximum protection from EMI
- Fully enclosed, individually guided contacts
- Red, yellow, green and bi-color LED's
- Ferrite filters available
- Standard and high-performance available

Our line of LED jacks offers unshielded and shielded solutions for twisted-pair networking environments. Most networking systems that use unshielded twisted-pair cable also use shielded harmonica jacks to block EMI leakage from the enclosure. The contacts are fully enclosed for maximum efficiency and long life.

Specifications

Stewart Product Specification Number: PR010-01

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: 20 m Ω (maximum) allowable change at FCC specifications (using Stewart Connector plug)

Dielectric Withstanding Voltage: 1 min. (60 Hz)
1000 VDC contact to contact,
1500 VDC contact to shield

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: -40° C to 85° C

Approvals/Certifications

UL Approval

File Number E132408



DUXR2

Communication Circuit Accessories-Component

DUXR8

Communication Circuit Accessories
Certified for Canada-Component

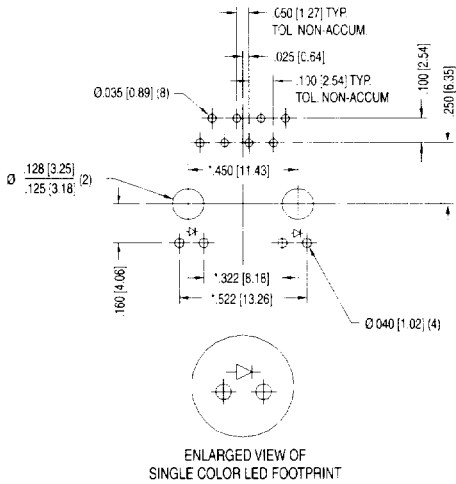
Meets requirements of FCC Part 68.5 when plated with 50 [1.27 μm] microinches of gold

Variations

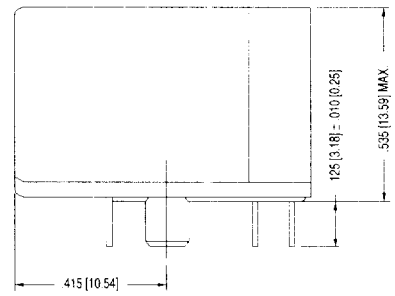
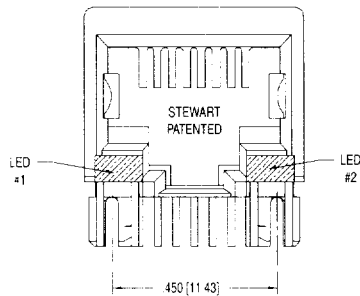
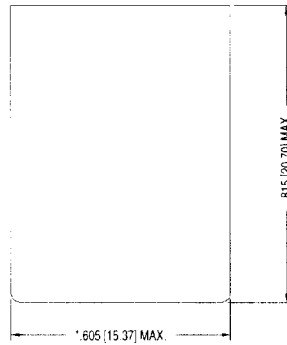
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Footprint Configurations

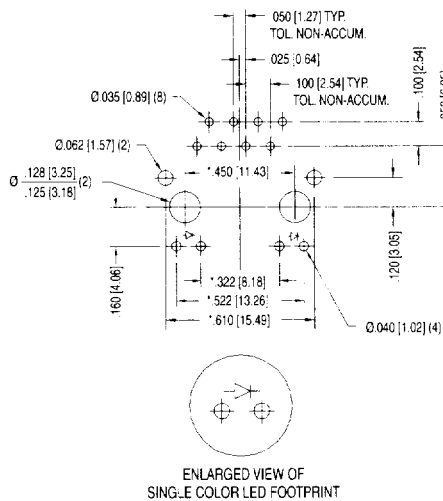
Eight-Contact, Eight-Position Unshielded



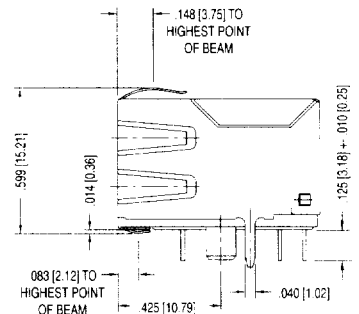
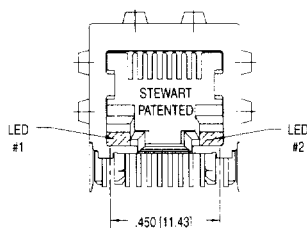
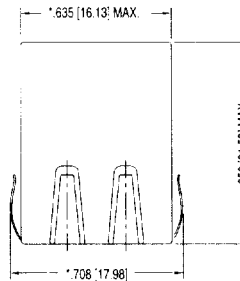
Eight-Contact, Eight-Position Unshielded



Eight-Contact, Eight-Position Enhanced Shield



Eight-Contact, Eight-Position Enhanced Shield (PG4-BA Style)



*Dimension is central about center line.
All dimensions are in inches with metric values in brackets.

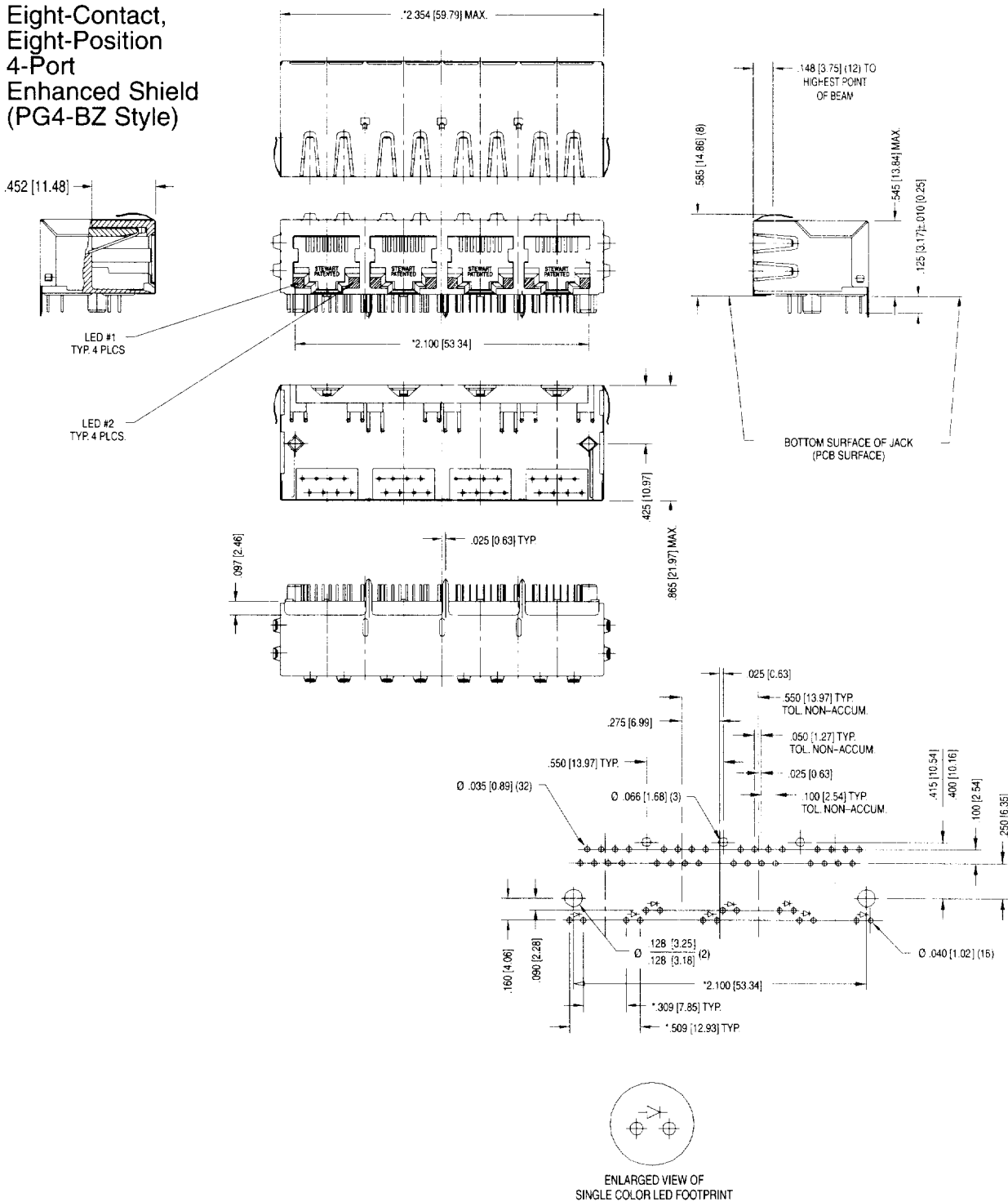
LED Jacks

• Multiport • Shielded

74 Series

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Eight-Contact,
Eight-Position
4-Port
Enhanced Shield
(PG4-BZ Style)

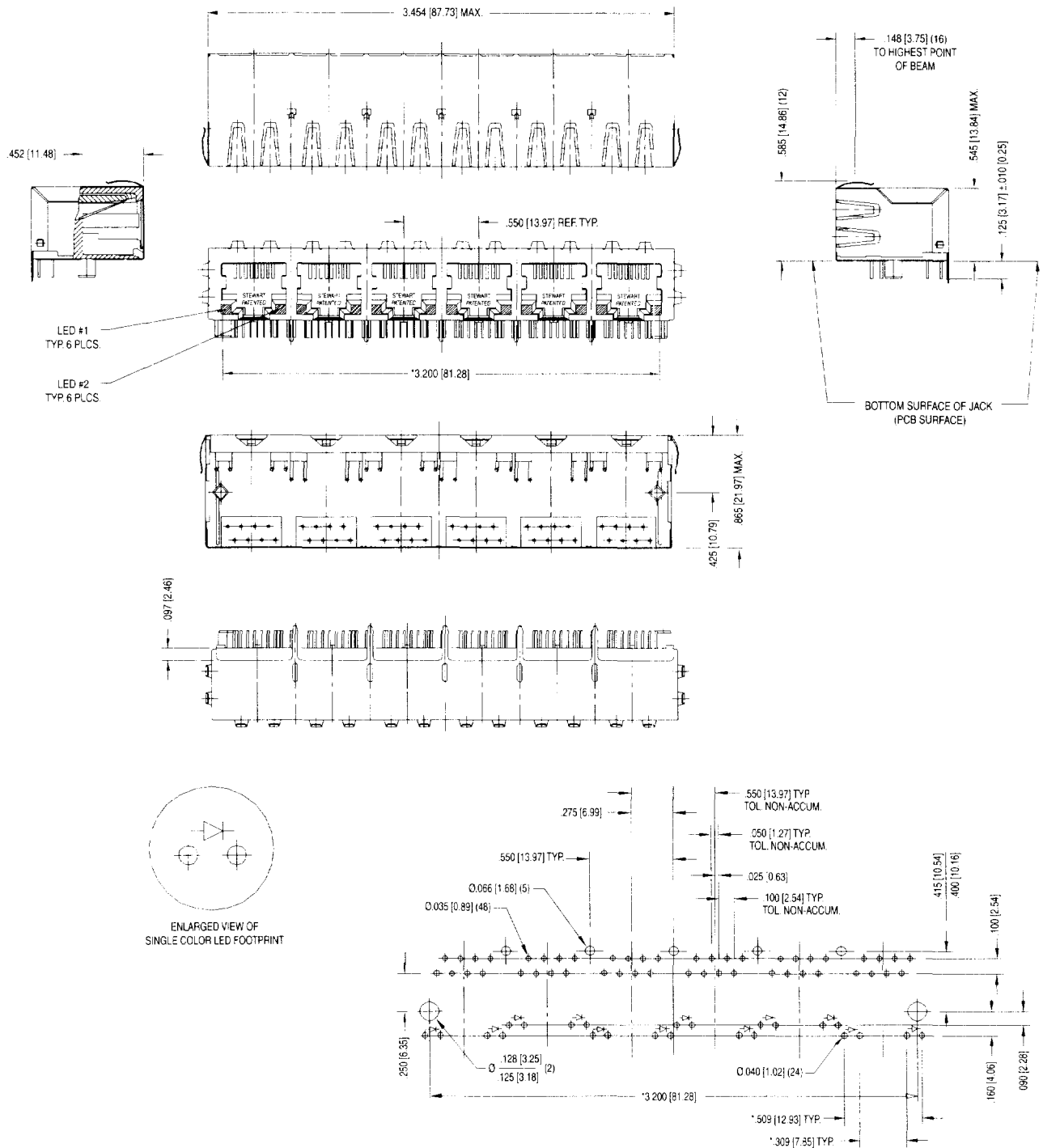


*Dimension is central about center line.
All dimensions are in inches with metric values in brackets.

Information subject to change without notice. To obtain drawings and current specifications, visit the Stewart Web site at <http://www.stewartconnector.com>.
11118 Susquehanna Trail South, Glen Rock, PA 17327-9199. Telephone: 717-235-7512. FAX: 717-235-4675.

For Commonly Ordered Parts See Page 81

Eight-Contact, Eight-Position 6-Port Enhanced Shield (PG4-AZ Style)



* Dimension is central about center line.
All dimensions are in inches with metric values in brackets.

See Pages 131-135 for Suggested Panel Openings

LED Jacks

• Unshielded • Shielded • Single-Port • Multiport

74 Series

For Commonly Ordered Parts See Page 81

LED Specifications

Standard LED	*Forward Voltage (MAX.)	*Forward Voltage (TYP.)	Power Dissipation	Wavelength	Luminous Intensity @ 10 mA	
					MIN.	MAX.
Yellow Diffused	2.5 V	2.1 V	105 mW	590 nm	2 MCD	8 MCD
Green Diffused	2.6 V	2.25 V	105 mW	555 nm	2 MCD	8 MCD
Red Diffused	2.5 V	2.0 V	105 mW	625 nm	3.2 MCD	20 MCD

Bi-Color LED		*Forward Voltage (MAX.)	*Forward Voltage (TYP.)	Power Dissipation	Wavelength	Luminous Intensity @ 20 mA	
						MIN.	MAX.
Yellow/Green	Yellow	2.5 V	2.1 V	105 mW	590 nm	3.2 MCD	12.5 MCD
	Green	2.6 V	2.25 V	105 mW	555 nm	5 MCD	20 MCD
Red/Green	Red	2.5 V	2.0 V	105 mW	625 nm	5 MCD	32 MCD
	Green	2.6 V	2.25 V	105 mW	555 nm	5 MCD	20 MCD

*With a forward current of 20 mA.

Quick Reference Chart

Description						Options					
Series	Contacts Inserted	Contact Positions	Number of Ports	Unshielded	Enhanced Shield	Performance		LED Colors	Ferrite Filters		
					PG3	PG4	Std.	High	R, G, Y, Bi-Color	FR1	FR3
RJ-45	74	8	8	1, 4, 6	•	•	•	•	•	•	•

Series 74 - LED Jacks Commonly ordered parts:

Part Number	Contacts	Positions	Description
Unshielded			
SS-7488-GY-NF	8	8	1-port, green/yellow LED's w/o panel stop flanges
Enhanced Shield			
SS-7488S-A-GY-PG4-BA	8	8	1-port, green/yellow LED's, PG4 enhanced shield style w/ top and bottom tabs
SS-7488SC5-GG-PG4-BA	8	8	High-performance, 1-port, green/green LED's, PG4 enhanced shield style w/ top and bottom tabs
SS-748804S-BB-PG3-BZ	8	8	4-port, bi-color LED's, PG3 enhanced shield style w/ rear shield solder tails shifted .025 in.
SS-748804SFR1-BB-PG3-BZ	8	8	4-port, bi-color LED's, FR1 filter insert, PG3 enhanced shield style w/ rear shield solder tails shifted .025 in.
SS-748804SC5-BB-PG4-BZ	8	8	High-performance 4-port, bi-color LED's, PG3 enhanced shield style w/ rear shield solder tails shifted .025 in.
SS-748806S-YG-PG4-AZ	8	8	6-port, yellow/green LED's, PG4 enhanced shield style w/ rear shield solder tails
SS-748806SC5-GG-PG4-BZ	8	8	High-performance 6-port, green/green LED's, PG4 enhanced shield style w/ rear shield solder tails shifted .025 in.