

## Printed Circuit Board Modular Jacks (Continued)

### High Performance Modular Jacks

#### Product Facts

- Performance exceeds Near End Crosstalk (NEXT) requirements of -40dB at 100 MHz per EIA/TIA 568A
- Meets all dimensional, tolerance and metallic plating requirements of FCC Part 68
- Available in single port or multiple port configurations, shielded or unshielded
- Accurately positioned solder tails reduce assembly labor while selectively deposited gold plating results in lower cost
- Eliminate need for customized printed circuit board compensation to achieve high performance

#### Material and Finish:

**Housing** - Polyester, Black, UL 94V-0 rated

**Contact** - Phosphor bronze, gold over nickel plated in contact area, tin-lead over nickel in solder area

**Shield** - Brass, bright tin-lead plated

#### Specifications

**Current** - 1.5 amperes maximum at 25°C

**Voltage** - 150 VAC maximum

**Operating Temperature** - -40°C to 70°C

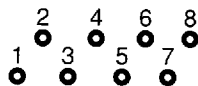
**Insulation Resistance** - 500 megohms minimum

**Dielectric Withstanding Voltage** - 1000 VAC, RMS

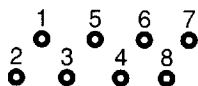
**Mating/Unmating Forces** - 5 pounds maximum

**Durability (Mating Cycles)** - 750 minimum

**Note:** See Catalog 65697, Quiet Line Filtered Modular Jacks, for Filtered jacks.



Traditional Solder Tail Sequence



Category 5 Solder Tail Sequence

#### Technical Documents

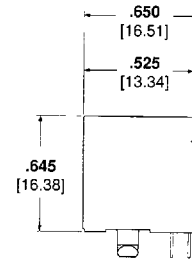
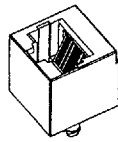
##### Application Specifications

114-02048

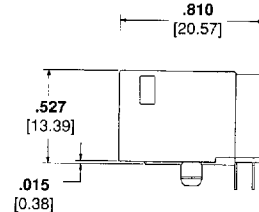
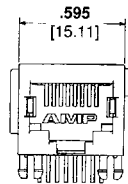
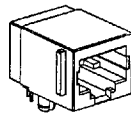
##### Product Specification

108-01163-2

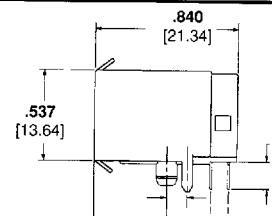
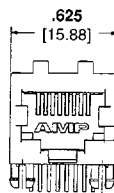
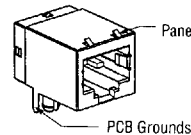
### Top Entry shown without Panel Stops



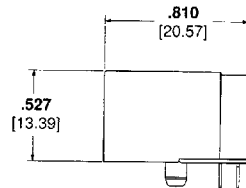
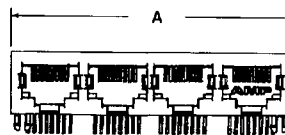
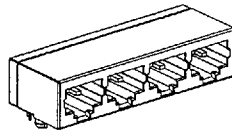
### Side Entry shown with Panel Stops



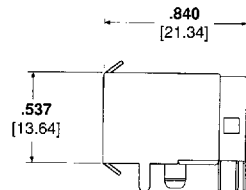
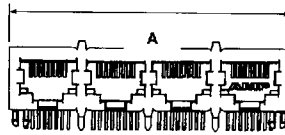
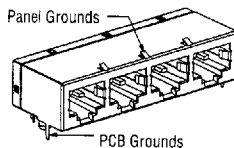
### Side Entry Shielded shown with Panel Grounds



### Multi-Port Unshielded



### Multi-Port Shielded



Note: Available in 8 position only.

No. of Ports	Entry	Dimensions A	Shielded		Unshielded		
			PC Ground ONLY	Panel & PC Ground	Panel Stop	W/O Panel Stops	
Single Port	Top	Unkeyed	.610 15.49	—	—	558399-1	558397-1
		Keyed	.610 15.49	—	—	558450-1	558398-1
	Side	Unshielded	.595 15.11	—	—	558343-1	558341-1
		Keyed	.595 15.11	—	—	569107-1	—
Multi-Port	4	Shielded	2.33 59.18	558503-1	558524-1	—	—
		Unshielded	2.30 58.42	—	—	—	558500-1
	6	Shielded	3.43 87.12	558504-1	558525-1	—	—
		Unshielded	3.40 86.36	—	—	—	558501-1
	8	Shielded	4.53 115.06	558505-1	558526-1	—	—
		Unshielded	4.50 114.30	—	—	—	558502-1

Note: See customer prints for suggested printed circuit board layouts and panel cutouts.

For drawings or technical data, contact your AMP sales engineer or call the AMP Product Information Center: 1-800-522-6752. Dimensions are in inches and millimeters unless otherwise specified. Values in brackets are metric equivalents. Specifications subject to change. Consult AMP for latest specifications.