

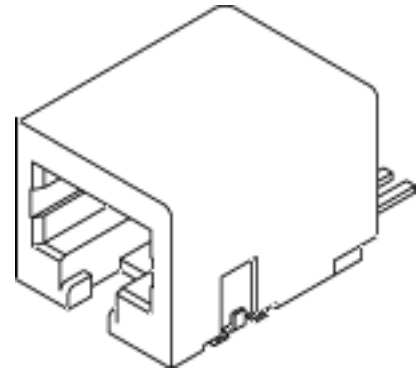
Datasheet  
 Modular Plugs and Jacks Overview

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# 44144-0003

Modular Jack, Right Angle, Low Profile, SMT, 8/8

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Status	Active
Component	PCB Jack
Ports	1
Positions / Loaded Contacts	8/8
Orientation	Right Angle (Side Entry)
Inverted / Top Latch	No
Product Name	RJ45
Performance Category	3
Shielded	No
Lightpipes/LEDs	None

**MOUNTING**

Profile	Low
Panel Stops	No
PCB Mounting	Surface Mount
PCB Retention	Solder Tab - Surface Mount

**PHYSICAL**

Contact	Phosphor Bronze (CuSn)
Plating Contact	1.3µm (50µ") Gold (Au)
Plating Tail	2.5µm (100µ") Tin (Sn)
Under Plating	Nickel (Ni)
Packaging	Embossed Tape on Reel
Housing Material	PA Polyamide (Nylon), High Temperature, Glass-filled
Color	Black
Flammability	UL 94V-0
Comment	Flush Solder Tabs
Durability [mating cycles] min.	500 cycles

**This part is  
ELV and RoHS  
COMPLIANT**

ENVIRONMENT	
RoHS Compliant	Yes
Lead-free Process Capability	Reflow Capable (SMT only)
Process Temperature max. (C)	235

**Features and Benefits**

- Surface mount solder tab provides retention to the PCB and strain relief for PC tails
- Side-to-side stackable for modular configurations
- 0.15mm (.006") max. nail-to-tail coplanarity ensures high reliability during surface mount soldering
- 100% electrically tested for hi-pot and continuity

**ELECTRICAL**

Current-max [amps]	1.5A
Voltage-max [volts]	125V
Withstanding Voltage	1000V AC
Contact Resistance [ohms]	10 milliohms max.
Insulation Resistance [ohms]	500 Megohms min.

**REFERENCE**

UL File Number	E107635
CSA File Number	LR19980
Mates With	FCC 68 Plugs
Temperature Range	-40°C to +80°C
MX01 Catalog Page	O-16
990 Catalog Page	O-10
Product Specification	PS-43743-001
Overview	Right Angle Modular Jacks[-8603]
Circuits / Positions	8
Loaded Contacts	8
Pitch / Center Spacing	1.27mm (.050")
Rows (No Display)	1
Molex Series	44144

**For all product dimensions, please refer to Drawing (PDF).**