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Part Number: [0445200001](#)
Status: **Active**
Overview: [modular_plugs_jacks](#)
Description: Modular Jack, Right Angle, Shielded, Stacked, 8/8, 8 Ports

Documents:
[3D Model](#) [Product Specification PS-44050-003 \(PDF\)](#)
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)
[Packaging Specification \(PDF\)](#)

Agency Certification

CSA LR19980
UL E107635

General

Product Family Modular Jacks/Plugs
Series [44520](#)
Comments High Speed|Multi-Port
Component Type PCB Jack
Magnetic No
Overview [modular_plugs_jacks](#)
Performance Category 5
Power over Ethernet (PoE) N/A
Product Name RJ45

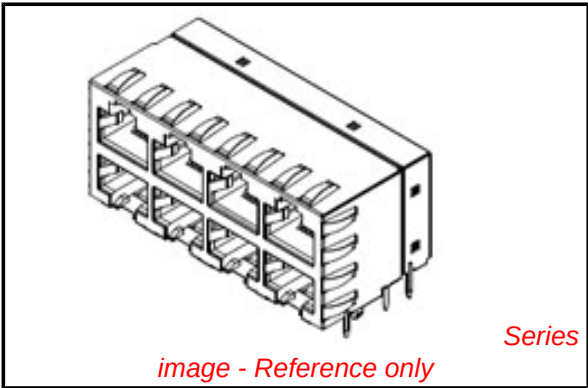
Physical

Color - Resin Black
Durability (mating cycles max) 500
Flammability 94V-0
Inverted / Top Latch Yes
Lightpipes/LEDs None
Material - Metal Brass, Phosphor Bronze
Material - Plating Mating Gold
Material - Plating Termination Tin
Material - Resin Polyester
Orientation Right Angle (Side Entry)
PCB Retention Yes
PCB Thickness Recommended (in) 0.062 In
PCB Thickness Recommended (mm) 1.60 mm
Packaging Type Tray
Plating min: Mating (µin) 50
Plating min: Mating (µm) 1.25
Plating min: Termination (µin) 100
Plating min: Termination (µm) 2.5
Ports 8
Positions / Loaded Contacts 8/8
Surface Mount Compatible (SMC) No
Temperature Range - Operating -40°C to +80°C
Termination Interface: Style Through Hole
Wire/Cable Type N/A

Electrical

Current - Maximum per Contact 1.5A
Shielded Yes
Voltage - Maximum 125V

Solder Process Data



EU RoHS

**ELV and RoHS
Compliant**
REACH SVHC
Not Reviewed
**Halogen-Free
Status**
Not Reviewed

China RoHS



**Need more information on product
environmental compliance?**

Email productcompliance@molex.com
For a multiple part number RoHS Certificate of
Compliance, [click here](#)

Please visit the [Contact Us](#) section for any
non-product compliance questions.

Search Parts in this Series
[44520Series](#)

Mates With
FCC 68 Plugs

Lead-free Process Capability

Wave Capable (TH only)

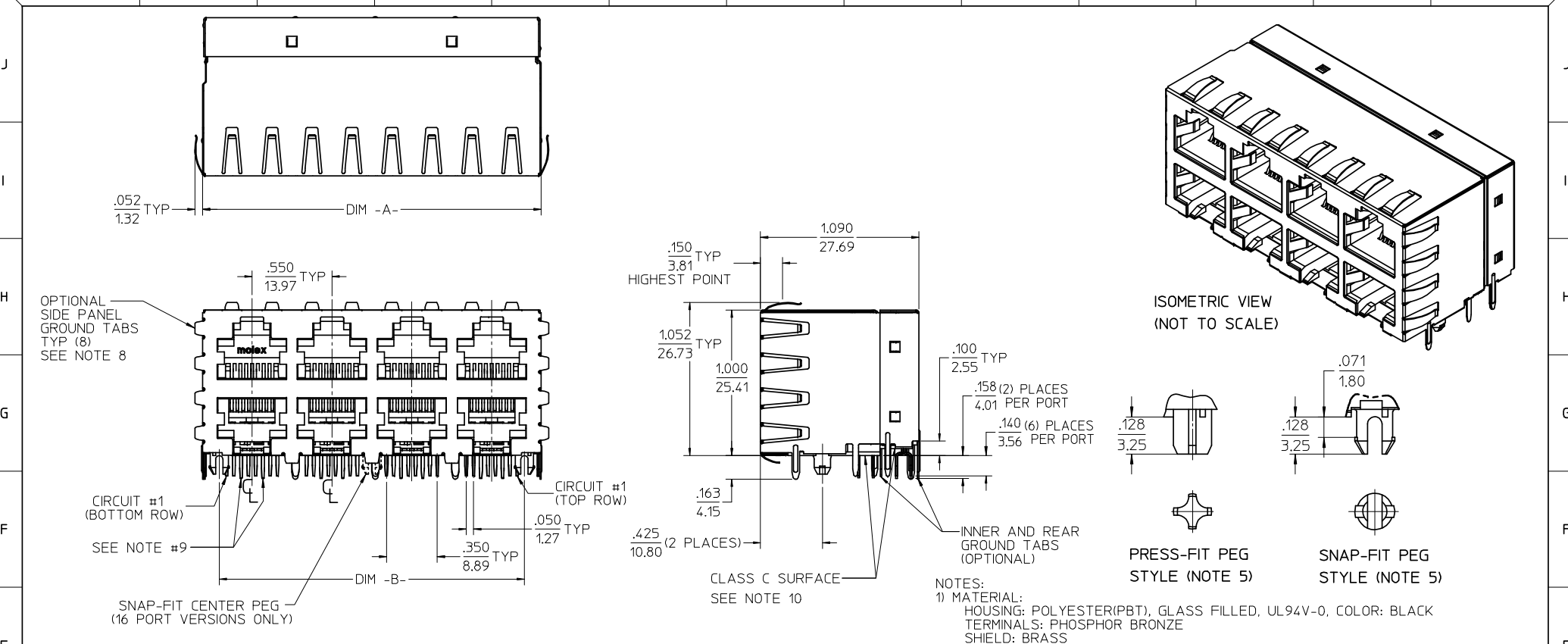
Material Info

Reference - Drawing Numbers

Packaging Specification	PK-44520-003
Product Specification	PS-44050-003
Sales Drawing	SD-44520-001

This document was generated on 06/08/2010

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ASSEMBLY MATERIAL NUMBER	NUMBER OF PORTS	PEG STYLE	DIM -A-	DIM -B-	SIDE PANEL GROUND TABS	INNER/REAR GROUND TABS
44520-0001	8 (2 X 4)	SNAP-FIT	2.330/59.18	2.100/53.34	YES	YES
44520-2001	8 (2 X 4)	SNAP-FIT	2.330/59.18	2.100/53.34	NO	YES
44520-3001	8 (2 X 4)	SNAP-FIT	2.330/59.18	2.100/53.34	YES	NO
44520-4001	8 (2 X 4)	SNAP-FIT	2.330/59.18	2.100/53.34	NO	NO
44520-0004	8 (2 X 4)	PRESS-FIT	2.330/59.18	2.100/53.34	YES	YES
44520-2004	8 (2 X 4)	PRESS-FIT	2.330/59.18	2.100/53.34	NO	YES
44520-3004	8 (2 X 4)	PRESS-FIT	2.330/59.18	2.100/53.34	YES	NO
44520-4004	8 (2 X 4)	PRESS-FIT	2.330/59.18	2.100/53.34	NO	NO
44520-0002	12 (2 X 6)	SNAP-FIT	3.430/87.12	3.200/81.28	YES	YES
44520-2002	12 (2 X 6)	SNAP-FIT	3.430/87.12	3.200/81.28	NO	YES
44520-3002	12 (2 X 6)	SNAP-FIT	3.430/87.12	3.200/81.28	YES	NO
44520-4002	12 (2 X 6)	SNAP-FIT	3.430/87.12	3.200/81.28	NO	NO
44520-0005	12 (2 X 6)	PRESS-FIT	3.430/87.12	3.200/81.28	YES	YES
44520-2005	12 (2 X 6)	PRESS-FIT	3.430/87.12	3.200/81.28	NO	YES
44520-3005	12 (2 X 6)	PRESS-FIT	3.430/87.12	3.200/81.28	YES	NO
44520-4005	12 (2 X 6)	PRESS-FIT	3.430/87.12	3.200/81.28	NO	NO
44520-0003	16 (2 X 8)	SNAP-FIT	4.530/115.06	4.300/109.22	YES	YES
44520-2003	16 (2 X 8)	SNAP-FIT	4.530/115.06	4.300/109.22	NO	YES
44520-3003	16 (2 X 8)	SNAP-FIT	4.530/115.06	4.300/109.22	YES	NO
44520-4003	16 (2 X 8)	SNAP-FIT	4.530/115.06	4.300/109.22	NO	NO
44520-0006	16 (2 X 8)	PRESS-FIT	4.530/115.06	4.300/109.22	YES	YES
44520-2006	16 (2 X 8)	PRESS-FIT	4.530/115.06	4.300/109.22	NO	YES
44520-3006	16 (2 X 8)	PRESS-FIT	4.530/115.06	4.300/109.22	YES	NO
44520-4006	16 (2 X 8)	PRESS-FIT	4.530/115.06	4.300/109.22	NO	NO

ADDED NOTE 10
EC NO: UCP2009-0280
DRAWN: KLOSTERMEIER 2008/08/01
CHKD: J.BELL 2008/08/04
APPR: FSM/TH 2008/08/04

REV
C2

QUALITY SYMBOLS
▽=0
▽=0

DESCRIPTION

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± .005	± .0004
3 PLACES	± .005	± .0004
2 PLACES	± .005	± .0004
1 PLACE	± .005	± .0004

ANGULAR ±1/2°

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE
IN/MM

DRAWN BY MARGULIS	DATE 99/04/16
CHECKED BY ROBERTS	DATE 99/04/18
APPROVED BY ROBERTS	DATE 99/04/18

MATERIAL NO.
SEE CHART

SIZE
C

SCALE
2:1

DESIGN UNITS
INCH

THIRD ANGLE PROJECTION

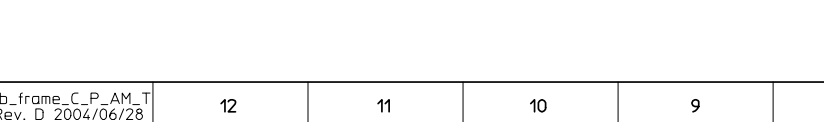
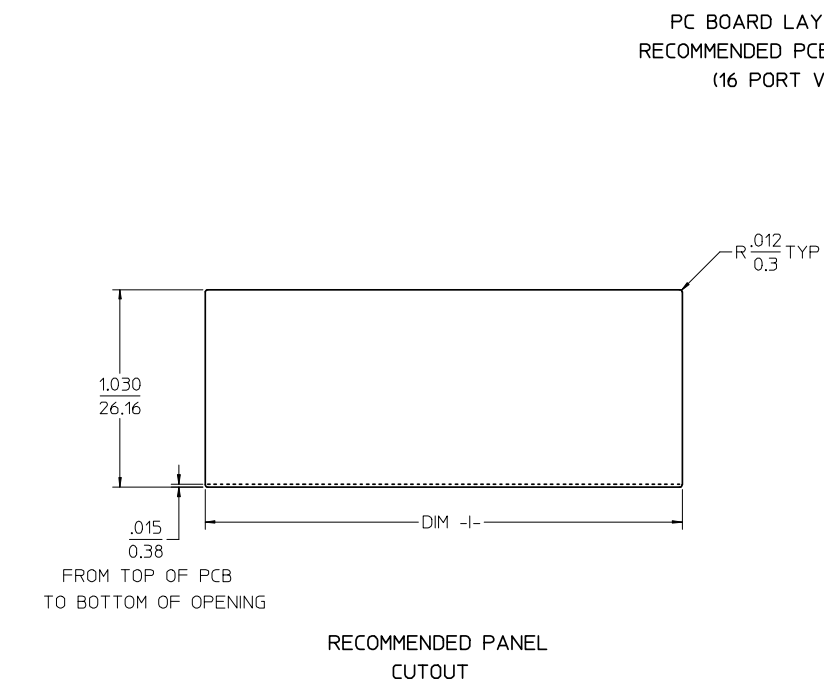
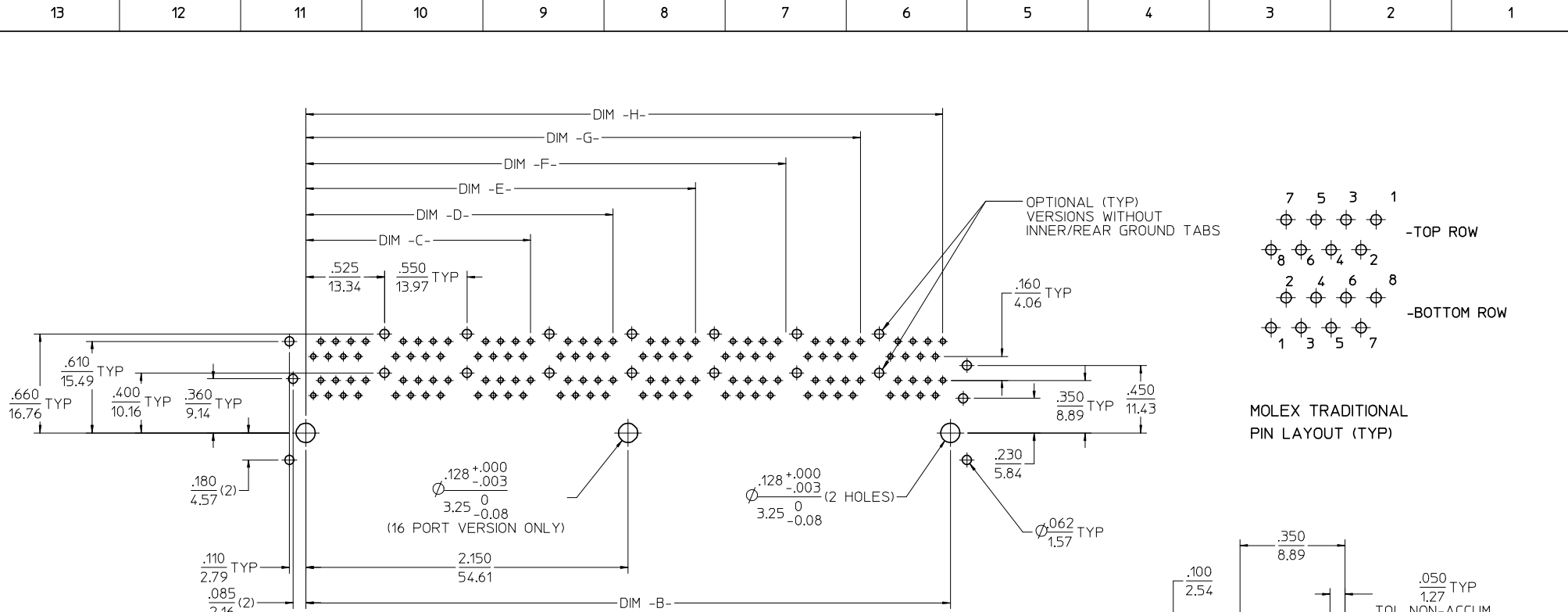
STACKED MODULAR JACK CATEGORY 5

MOLEX INCORPORATED

DOCUMENT NO.
SD-44520-001

SHEET NO.
1 OF 2

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NUMBER OF PORTS		DIM -B-	DIM -C-	DIM -D-	DIM -E-	DIM -F-	DIM -G-	DIM -H-	DIM -I-
8 (2 X 4)		2.100/53.34	1.500/38.10	2.050/52.07					2.360/59.94
12 (2 X 6)		3.200/81.28	1.500/38.10	2.050/52.07	2.600/66.04	3.150/80.01			3.460/87.88
16 (2 X 8)		4.300/109.22	1.500/38.10	2.050/52.07	2.600/66.04	3.150/80.01	3.700/93.98	4.250/107.95	4.560/115.82

EC NO: UCP2009-0280 DRWN:KLOSTER/ER 2008/08/01 CHKD:JBELL 2008/08/04 APPR:FSM/TH 2008/08/04 C2	DESCRIPTION REV	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE IN/MM		SCALE 2:1	DESIGN UNITS INCH	THIRD ANGLE PROJECTION		
		 =0  =0		mm	INCH	DRAWN BY MARGULIS	DATE 99/04/16	STACKED MODULAR JACK CATEGORY 5			
			4 PLACES	± ---	± ---	CHECKED BY ROBERTS	DATE 99/04/18				
			3 PLACES	± ---	± .010						
			2 PLACES	± 0.25	± ---						
			1 PLACE	± ---	± ---						
				ANGULAR ±1/2°		APPROVED BY ROBERTS	DATE 99/04/18	MOLEX INCORPORATED			
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO. SEE CHART		DOCUMENT NO. SD-44520-001					SHEET NO. 2 OF 2
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