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Part Number:

0678380806

Status:

Active

Description:

Stacked Modular Jack with lightpipes, Right Angle, with Press-Fit Pegs, with Side Panel Grounding Tabs and Inner Shield Ground Tabs, 8/2, 16 Ports, Lead free

Documents:

3D Model

Drawing (PDF)

Product Specification PS-67838-002 (PDF)

RoHS Certificate of Compliance (PDF)

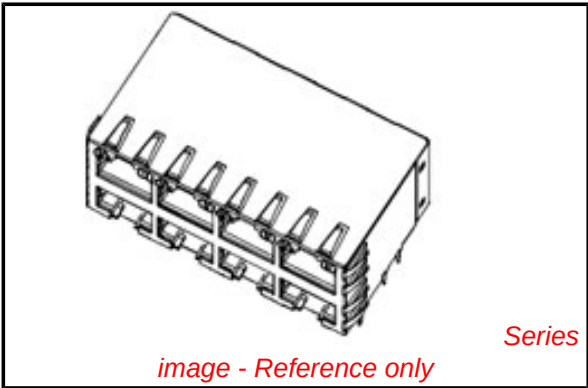
General	
Product Family	Modular Jacks/Plugs
Series	67838
Comments	With Lightpipes
Component Type	PCB Jack
Magnetic	No
Performance Category	3
Power over Ethernet (PoE)	N/A
Product Name	RJ45
Physical	
Boot Color	N/A
Color - Resin	Black, Clear
Durability (mating cycles max)	500
Inverted / Top Latch	Yes
Keying to Mating Part	None
Lightpipes/LEDs	Lightpipes
Material - Metal	Phosphor Bronze
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	Polycarbonate, Polyester
Orientation	Right Angle (Side Entry)
PCB Locator	Yes
PCB Retention	Yes
Packaging Type	Tray
Pitch - Mating Interface (in)	0.050 In
Pitch - Mating Interface (mm)	1.27 mm
Pitch - Term. Interface (in)	0.050 In
Pitch - Term. Interface (mm)	1.27 mm
Ports	16
Positions / Loaded Contacts	8/2
Surface Mount Compatible (SMC)	No
Temperature Range - Operating	-40°C to +70°C
Termination Interface: Style	Through Hole
Waterproof / Dustproof	No
Wire/Cable Type	N/A

Electrical	
Current - Maximum per Contact	1.5A
Grounding to PCB	Yes
Grounding to Panel	Panel Ground Tab
Shielded	Yes
Voltage - Maximum	150V AC (RMS)

Material Info

Reference - Drawing Numbers

Product Specification	PS-67838-002
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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

67838Series

Mates With

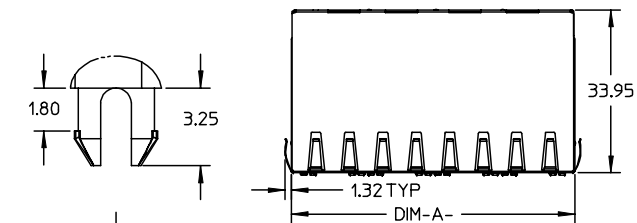
FCC 68 Plugs

Use With

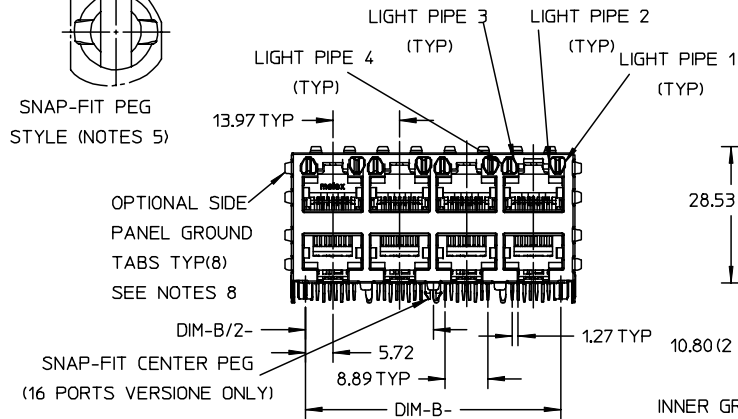
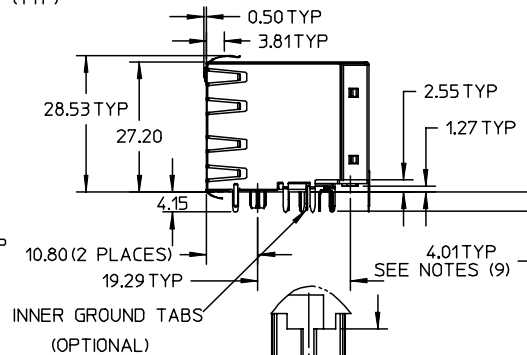
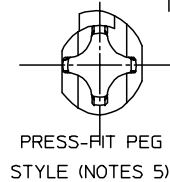
Shielded RJ45 Plugs

This document was generated on 06/07/2010

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SNAP-FIT PEG
STYLE (NOTES 5)



PRESS-FIT PEG
STYLE (NOTES 5)

NOTES:

1.MATERIAL:

HOUSING: POLYESTER(PBT), GLASS FILLED,UL94V-0.COLOR: BLACK.
LIGHT PIPES: POLYCARBONATE,UL94V-0. COLOR: CLEAR.
TERMINALS: PHOSPHOR BRONZE.
SHIELD: BRASS.

2.PLATING:

TERMINALS: 50u" MIN. GOLD PLATE AND 50u" MIN.PURE TIN PLATE OVER
50u" MIN. NICKEL UNDERPLATE.
SHIELD: SELECTIVE 50u" MIN. PURE TIN PLATE AT SOLDERING
TAILS OVER 50u" MIN. NICKEL UNDERPLATE.

3.PRODUCT SPECIFICATION: PS-67838-002.

4.PACKAGING: CONNECTOR ASSEMBLE IN THERMOFORMED TRAY.

5.CONNECTORS AVAILABLE WITH EITHER SNAP-FIT OR PRESS-FIT PEGS.

6.CONFORMS TO FCC REGULATION PART 68.5 FOR MODULAR JACKS.

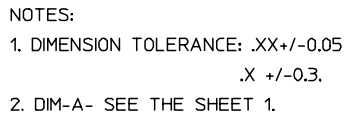
7.P.C.B LAYOUT SHOWN AS RECOMMEND LAYOUT (SHEET 2).

8.AVAILABLE WITH THE (8) PANEL GROUND TABS REMOVE ON EACH SIDE FOR SIDE TO SIDE STACKABILITY.

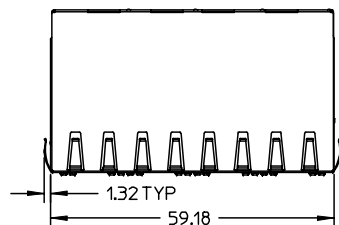
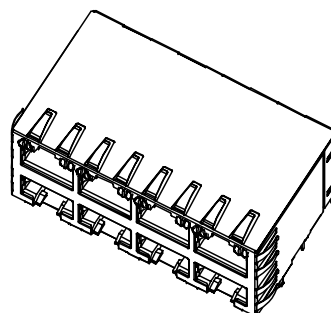
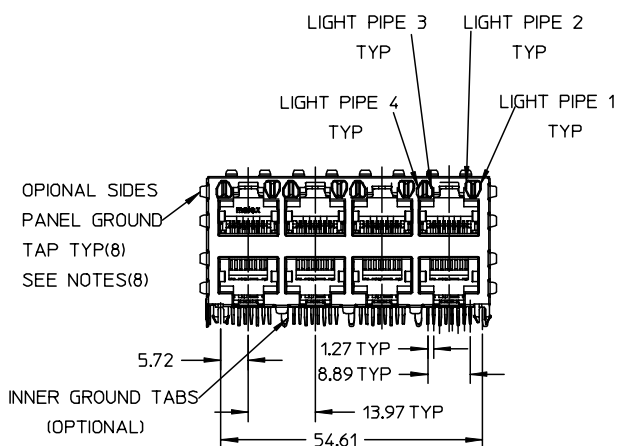
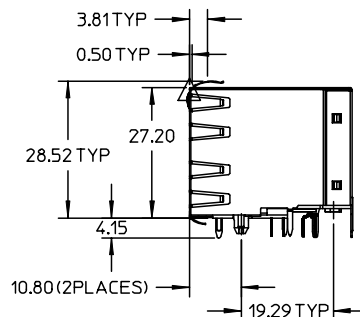
9.TERMINAL LENGTH MAY BE DIFFERENT FROM TERMINAL TO TERMINAL.

ASSEMBLY MATERIAL No.	No. OF PORTS	PEG STYLE	DIM-A-	DIM-B-	SIDE PANEL GROUND TABS	INNER GROUND TABS
67838-0081	8 (2X4)	SNAP-FIT	59.18	53.34	YES	YES
67838-2081	8 (2X4)	SNAP-FIT	59.18	53.34	NO	YES
67838-3081	8 (2X4)	SNAP-FIT	59.18	53.34	YES	NO
67838-4081	8 (2X4)	SNAP-FIT	59.18	53.34	NO	NO
67838-0084	8 (2X4)	PRESS-FIT	59.18	53.34	YES	YES
67838-2084	8 (2X4)	PRESS-FIT	59.18	53.34	NO	YES
67838-3084	8 (2X4)	PRESS-FIT	59.18	53.34	YES	NO
67838-4084	8 (2X4)	PRESS-FIT	59.18	53.34	NO	NO
67838-0082	12(2X6)	SNAP-FIT	87.12	81.28	YES	YES
67838-2082	12(2X6)	SNAP-FIT	87.12	81.28	NO	YES
67838-3082	12(2X6)	SNAP-FIT	87.12	81.28	YES	NO
67838-4082	12(2X6)	SNAP-FIT	87.12	81.28	NO	NO
67838-0085	12(2X6)	PRESS-FIT	87.12	81.28	YES	YES
67838-2085	12(2X6)	PRESS-FIT	87.12	81.28	NO	YES
67838-3085	12(2X6)	PRESS-FIT	87.12	81.28	YES	NO
67838-4085	12(2X6)	PRESS-FIT	87.12	81.28	NO	NO
67838-0083	16(2X8)	SNAP-FIT	115.06	109.22	YES	YES
67838-2083	16(2X8)	SNAP-FIT	115.06	109.22	NO	YES
67838-3083	16(2X8)	SNAP-FIT	115.06	109.22	YES	NO
67838-4083	16(2X8)	SNAP-FIT	115.06	109.22	NO	NO
67838-0806	16(2X8)	PRESS-FIT	115.06	109.22	YES	YES
67838-2806	16(2X8)	PRESS-FIT	115.06	109.22	NO	YES
67838-3806	16(2X8)	PRESS-FIT	115.06	109.22	YES	NO
67838-4806	16(2X8)	PRESS-FIT	115.06	109.22	NO	NO

NEW RELEASE EC NO: SH2006-0055 DRWN: DHU CHK: APPR: YTYAP REV	DESCRIPTION	QUALITY SYMBOLS ▽-0 ▽C-0	GENERAL TOLERANCES (UNLESS SPECIFIED)			SCALE 1:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	REVISE ON CAD ONLY			
				mm	INCH	DIMENSION STYLE		STACKED MODULAR JACK WITH LIGHT PIPES LEAD-FREE				
			4 PLACES	± ---	± ---	MM ONLY						
			3 PLACES	± ---	± ---	DRAWN BY DATE						
			2 PLACES	± 0.25	± ---	DAVID HU 2005/08/10						
			1 PLACE	± 0.3	± ---	CHECKED BY DATE		MOLEX INCORPORATED				
			ANGULAR ± 1/2 °			HARVEY 2005/08/10						
			DRAFT WHERE APPLICABLE			APPROVED BY DATE						
			MUST REMAIN WITHIN DIMENSIONS			VINCENT 2005/08/10		SEE CHART	SD-67838-002	1 OF 4		
								THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				



tb_frame_B
rev. B1 2000/08/01



NOTES:

1.MATERIAL:

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TERMINALS: PHOSPHOR BRONZE.

SHIELD: BRASS.

2.PLATING:

TERMINALS: 50u" MIN. GOLD PLATE AND 50u" MIN.PURE TIN PLATE OVER 50u" MIN. NICKEL UNDERPLATE.

SHIELD: SELECTIVE 50u" MIN. PURE TIN PLATE AT SOLDERING TAILS OVER 50u" MIN. NICKEL UNDERPLATE.

3.PRODUCT SPECIFICATION: PS-67838-002.

4.PACKAGING: CONNECTOR ASSEMBLY IN THERMOFORMED TRAY.

5.CONNECTORS AVAILABLE WITH PRESS-FIT PEGS ONLY.

6.CONFORMS TO FCC REGULATION PART 68.5 FOR MODULAR JACKS.

7.P.C.B LAYOUT SHOWN AS RECOMMEND LAYOUT (SHEET 4).

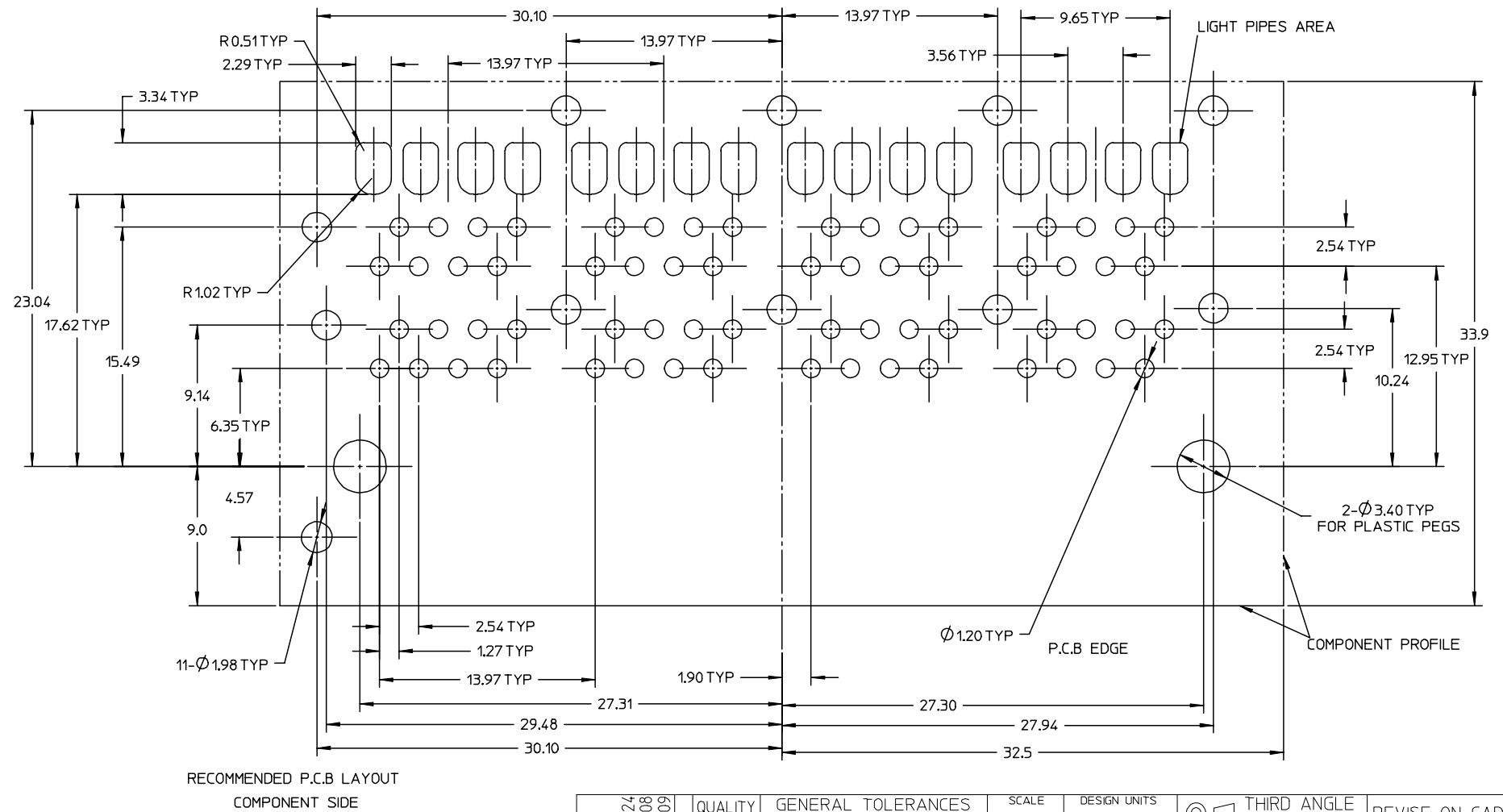
8.AVAILABLE WITH THE (8) PANEL GROUND TABS REMOVE ON EACH SIDE FOR SIDE TO SIDE STACKABILITY.

9.TERMINAL LENGTH MAY BE DIFFERENT FROM TERMINAL TO TERMINAL.

ASSEMBLY MATERIAL NO.	NO. OF PORTS	PEGS STYLE	SIDE PANEL GROUND TABS	INNER SHIELD GROUND TABS
67838-0184	8(2X4)	SNAP-FIT	YES	YES
67838-2184	8(2X4)	SNAP-FIT	NO	YES
67838-3184	8(2X4)	SNAP-FIT	YES	NO
67838-4184	8(2X4)	SNAP-FIT	NO	NO

tb_frame_B
rev. B1 2000/08/01

NEW RELEASE EC NO: SH2006-0055 DRWN:DHU 2005/10/24 CHKD: 2005/11/08 APPR: YTYAP 2005/11/09 A	QUALITY SYMBOLS <div>▽=0</div> <div>▽=0</div>	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		SCALE 1:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		REVISE ON CAD ONLY	
							DIMENSION STYLE MM ONLY		TITLE	
			4 PLACES ± --- ± ---		DRAWN BY DAVID HU		DATE 2005/08/10		STACKED MODULAR JACK WITH LIGHT PIPES LEAD-FREE <div>MOLEX</div> MOLEX INCORPORATED	
			3 PLACES ± --- ± ---		CHECKED BY HARVEY		DATE 2005/08/10			
			2 PLACES ± 0.25 ± ---		APPROVED BY VINCENT		DATE 2005/08/10			
			1 PLACE ± 0.3 ± ---							
			ANGULAR ±1/2°							
			DRAFT WHERE APPLICABLE							
			MUST REMAIN WITHIN DIMENSIONS							



NOTES:

1. DIMENSION TOLERANCE: .XX+/-0.05
.X +/-0.3.
2. DIM-A- SEE THE SHEET 1.

NEW RELEASE EC NO: SH2006-0055 DRWN: DHU 2005/10/24 CHKD: 2005/11/08 APPR: YTYAP 2005/11/09 A	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		SCALE 1:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	REVISE ON CAD ONLY		
				DIMENSION STYLE MM ONLY		TITLE	STACKED MODULAR JACK WITH LIGHT PIPES LEAD-FREE		
				DRAWN BY DAVID HU	DATE 2005/08/10	MOLEX	MOLEX INCORPORATED		
				CHECKED BY HARVEY	DATE 2005/08/10		MATERIAL NO. DOCUMENT NO. SHEET NO.		
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		APPROVED BY VINCENT	DATE 2005/08/10	SEE SHEET 3 SD-67838-002		4 OF 4
			THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						