

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

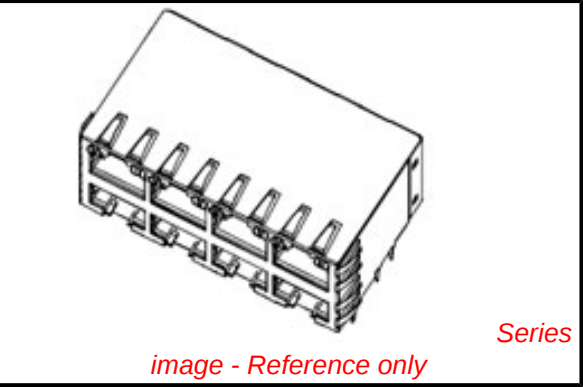
0678380004

Status:

Active

Description:

Stacked Modular Jack with lightpipes, Right Angle, with Press-Fit Pegs, with Side Panel Grounding Tabs and Inner Shield Ground Tabs, 4/2, 8 Ports



Documents:	
3D Model	Product Specification PS-67838-002 (PDF)
Drawing (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-Lead
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	8
Positions / Loaded Contacts	4/2
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

EU RoHS

China RoHS

Compliance Status

Not Reviewed

REACH SVHC

Not Reviewed

Halogen-Free

Status

Not Reviewed

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

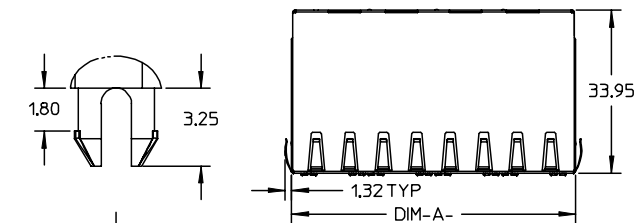
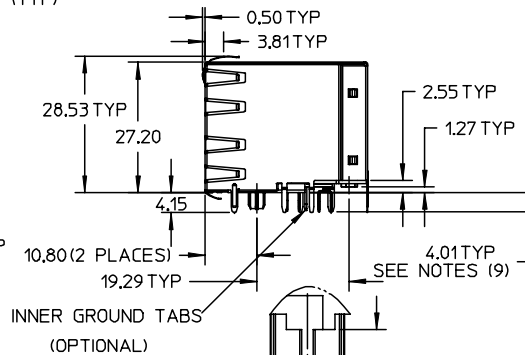
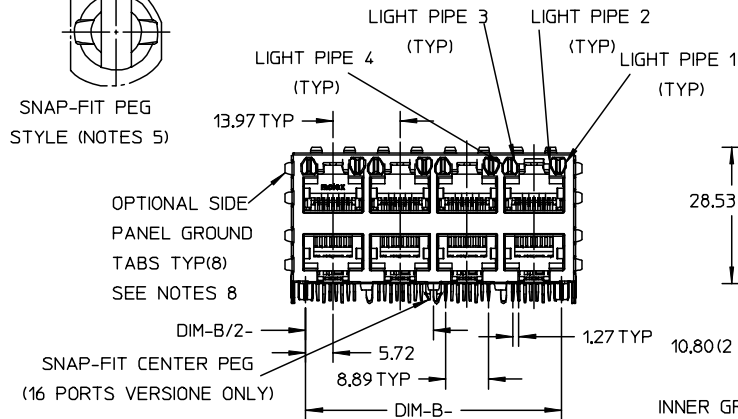
FCC 68 Plugs

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.TIN-LEAD PLATE OVER
50u" MIN. NICKEL UNDERPLATE.SHIELD: SELECTIVE 50u" MIN. TIN-LEAD 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.

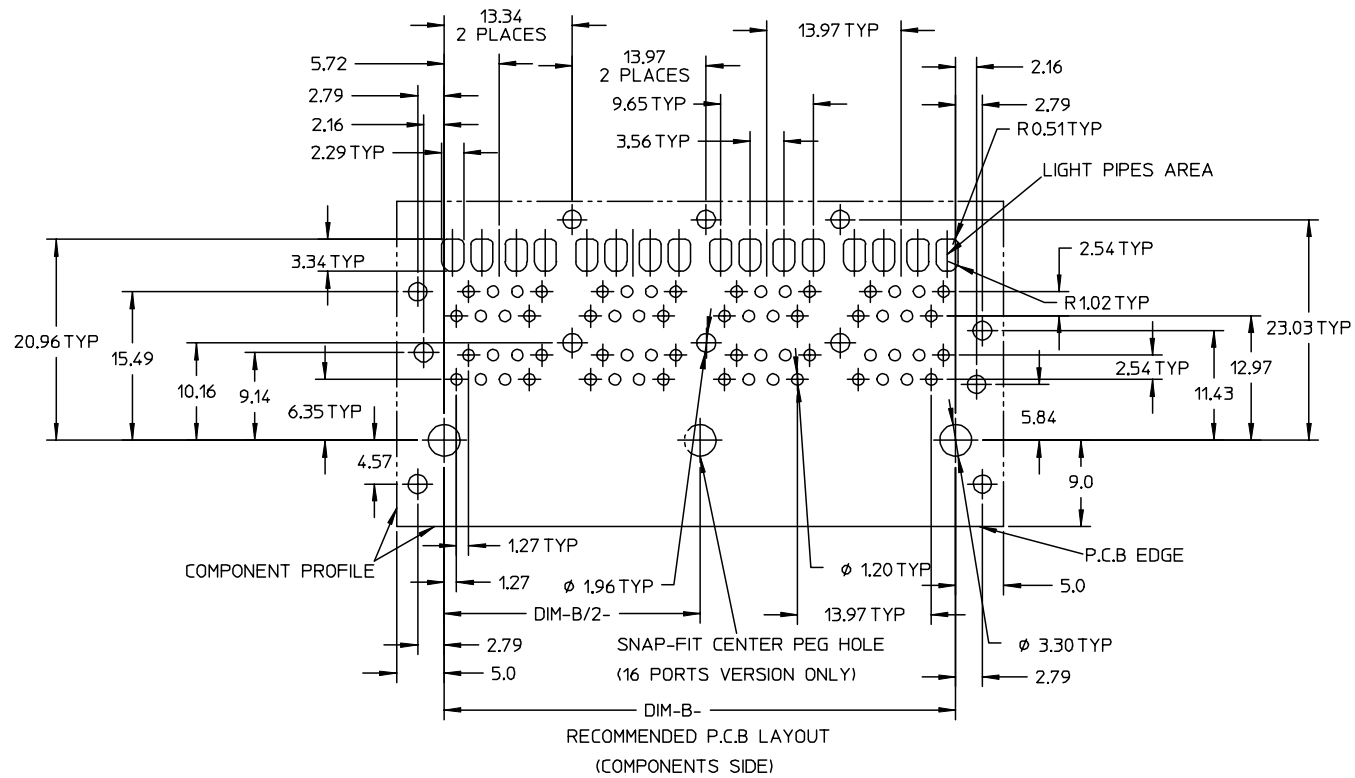
7.P.C.B LAYOUT SHOWN AS RECOMMEND LAYOUT (SHEET 2).

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
67838-0001	8 (2X4)	SNAP-FIT	59.18	53.34	YES	YES
67838-2001	8 (2X4)	SNAP-FIT	59.18	53.34	NO	YES
67838-3001	8 (2X4)	SNAP-FIT	59.18	53.34	YES	NO
67838-4001	8 (2X4)	SNAP-FIT	59.18	53.34	NO	NO
67838-0004	8 (2X4)	PRESS-FIT	59.18	53.34	YES	YES
67838-2004	8 (2X4)	PRESS-FIT	59.18	53.34	NO	YES
67838-3004	8 (2X4)	PRESS-FIT	59.18	53.34	YES	NO
67838-4004	8 (2X4)	PRESS-FIT	59.18	53.34	NO	NO
67838-0002	12(2X6)	SNAP-FIT	87.12	81.28	YES	YES
67838-2002	12(2X6)	SNAP-FIT	87.12	81.28	NO	YES
67838-3003	12(2X6)	SNAP-FIT	87.12	81.28	YES	NO
67838-4002	12(2X6)	SNAP-FIT	87.12	81.28	NO	NO
67838-0005	12(2X6)	PRESS-FIT	87.12	81.28	YES	YES
67838-2005	12(2X6)	PRESS-FIT	87.12	81.28	NO	YES
67838-3005	12(2X6)	PRESS-FIT	87.12	81.28	YES	NO
67838-4005	12(2X6)	PRESS-FIT	87.12	81.28	NO	NO
67838-0003	16(2X8)	SNAP-FIT	115.06	109.22	YES	YES
67838-2002	16(2X8)	SNAP-FIT	115.06	109.22	NO	YES
67838-3003	16(2X8)	SNAP-FIT	115.06	109.22	YES	NO
67838-4003	16(2X8)	SNAP-FIT	115.06	109.22	NO	NO
67838-0006	16(2X8)	PRESS-FIT	115.06	109.22	YES	YES
67838-2006	16(2X8)	PRESS-FIT	115.06	109.22	NO	YES
67838-3006	16(2X8)	PRESS-FIT	115.06	109.22	YES	NO
67838-4006	16(2X8)	PRESS-FIT	115.06	109.22	NO	NO

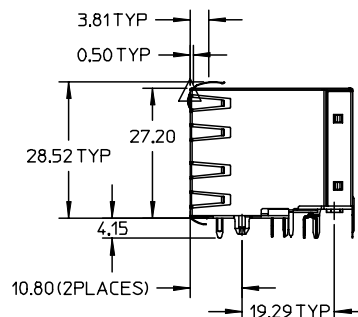
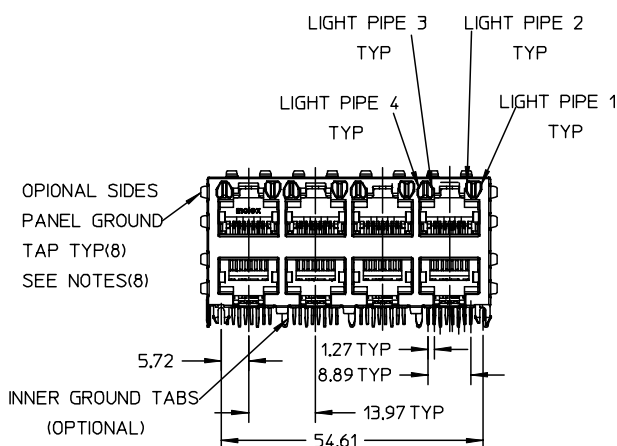
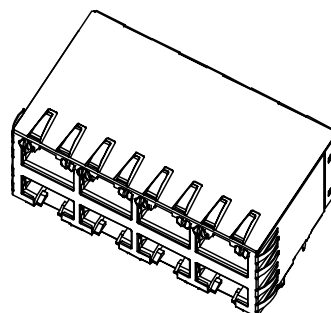
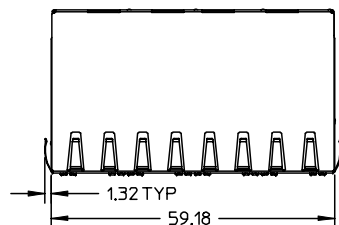
NEW RELEASE EC NO: SH2003-0013 DRWN: GRMA CHK: CHIK APPR: SHUANG	DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)			SCALE 1:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	REVISE ON CAD ONLY				
				mm	INCH	DIMENSION STYLE		TITLE STACKED MODULAR JACK WITH LIGHT PIPES					
						MM ONLY							
			4 PLACES	± ---	± ---	DRAWN BY		DATE		MOLEX INCORPORATED			
			3 PLACES	± ---	± ---	GRATE MA		2003/04/18					
			2 PLACES	± 0.25	± ---	CHECKED BY		DATE		MATERIAL NO. SEE CHART			
			1 PLACE	± 0.3	± ---	YAJUN		2003/04/18					
			ANGULAR ± 1/2 °			APPROVED BY		DATE		DOCUMENT NO.		SHEET NO.	
			DRAFT WHERE APPLICABLE			SAM		2003/04/18		SD-67838-001		1 OF 4	
			MUST REMAIN WITHIN DIMENSIONS			THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							



NOTES:

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

NEW RELEASE EC NO: SH2003-0013 DRWN: GRMA 2003/04/16 CHKD: 2003/04/17 APPR: SHUANG 2003/04/17 A	DESCRIPTION REV	QUALITY SYMBOLS ▽ = 0 C = 0	GENERAL TOLERANCES (UNLESS SPECIFIED)		SCALE 1:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION	REVISE ON CAD ONLY		
					DIMENSION STYLE			TITLE		
					MM ONLY			STACKED MODULAR JACK WITH LIGHT PIPES		
			4 PLACES ± --- ± ---		DRAWN BY DATE			MOLEX INCORPORATED		
			3 PLACES ± --- ± ---		GRATE MA 2003/04/18					
			2 PLACES ± 0.25 ± ---		CHECKED BY DATE			SEE SHEET 1SD-67838-0012 OF 4		
			1 PLACE ± 0.3 ± ---		YAJUN 2003/04/18					
			ANGULAR ±1/2°		APPROVED BY DATE			THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		
			DRAFT WHERE APPLICABLE		SAM 2003/04/18					
			MUST REMAIN WITHIN DIMENSIONS							



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3.PRODUCT SPECIFICATION: PS-67838-002.

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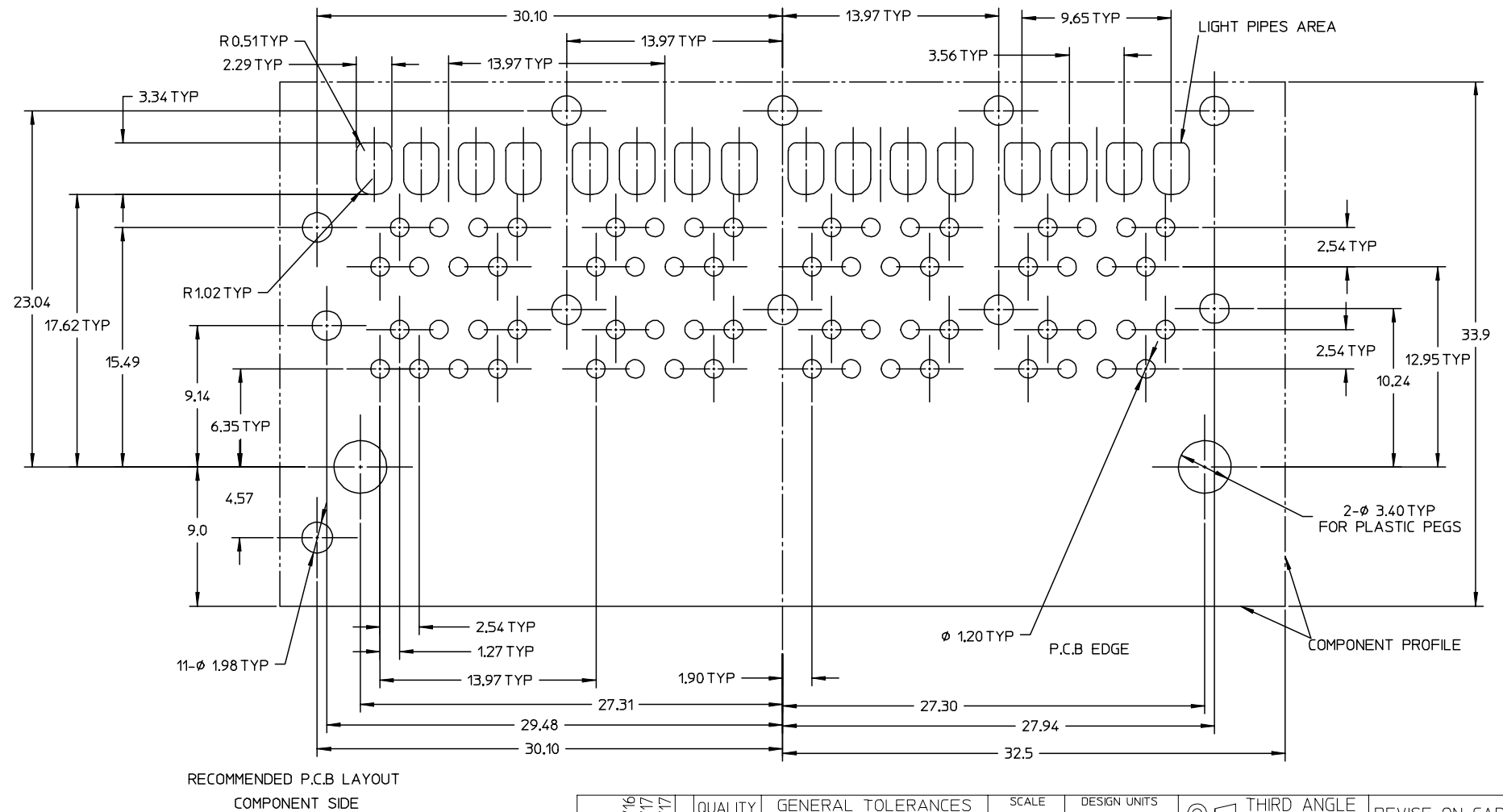
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ASSEMBLY MATERIAL NO.	NO. OF PORTS	PEGS STYLE	SIDE PANEL GROUND TABS	INNER SHIELD GROUND TABS
67838-0104	8(2X4)	SNAP-FIT	YES	YES
67838-3104	8(2X4)	SNAP-FIT	NO	YES
67838-3104	8(2X4)	SNAP-FIT	YES	NO
67838-4104	8(2X4)	SNAP-FIT	NO	NO

tb_frame_B
rev. B1 2000/08/01

NEW RELEASE EC NO: SH2003-0013 DRWN:GRMA 2003/04/16 CHKD: 2003/04/17 APPR: SHUANG 2003/04/17 REV	DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		SCALE 1:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		REVISE ON CAD ONLY		
		 -0		mm	INCH	DIMENSION STYLE MM ONLY		TITLE STACKED MODULAR JACK WITH LIGHT PIPES			
			4 PLACES	± ---	± ---	DRAWN BY DATE					
			3 PLACES	± ---	± ---	GRATE MA 2003/04/18					
			2 PLACES	± 0.25	± ---	CHECKED BY DATE					
			1 PLACE	± 0.3	± ---	YAJUN 2003/04/18					
				ANGULAR ±1/2°		APPROVED BY DATE		MATERIAL NO.		DOCUMENT NO.	SHEET NO.
				DRAFT WHERE APPLICABLE		SAM 2003/04/18		SEE CHART		SD-67838-001	3 OF 4
				MUST REMAIN WITHIN DIMENSIONS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					
A	REV				B						

tb_frame_B
rev. B1 2000/08/01



NOTES:

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.X $\pm$ 0.3.
2. DIM-A- SEE THE SHEET 1.

NEW RELEASE EC NO: SH2003-0013 DRWN: GRMA 2003/04/16 CHKD: 2003/04/17 APPR: SHUANG 2003/04/17 A	QUALITY SYMBOLS ▽ = 0 ▽C = 0	DESCRIPTION	REV	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					
				4 PLACES	± ---	± ---	DRAWN BY GRATE MA				DATE 2003/04/18		
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				1 PLACE	± 0.3	± ---							
				ANGULAR ±1/2°		MATERIAL NO. SEE SHEET 3		DOCUMENT NO. SD-67838-001		SHEET NO. 4 OF 4			
				DRAFT WHERE APPLICABLE		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					B		
				MUST REMAIN WITHIN DIMENSIONS									