

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0857190003

Status:

Active

Overview:

magnetic_modular_jacks

Description:

HyperJack™ 1000 PoE+ PSE Integrated Connector Module, 2x6, Without LEDs

Documents:

3D Model

Drawing (PDF)

RoHS Certificate of Compliance (PDF)

General	
Product Family	Modular Jacks/Plugs
Series	85719
Component Type	PCB Jack
Magnetic	Yes
More Detailed Tech Information	*For product specifications please contact your Molex sales representative
Overview	magnetic_modular_jacks
Performance Category	5e
Power over Ethernet (PoE)	PoE+
Product Name	HyperJack™PoE

Physical	
Boot Color	N/A
Color - Resin	Black
Durability (mating cycles max)	750
Inverted / Top Latch	Yes
Lightpipes/LEDs	None
Material - Metal	Brass, Copper Alloy
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	Thermoplastic Polyurethane
Orientation	Right Angle (Side Entry)
PCB Locator	Yes
PCB Retention	Yes
Packaging Type	Tray
Pitch - Mating Interface (in)	0.040 In
Pitch - Mating Interface (mm)	1.02 mm
Pitch - Term. Interface (in)	0.040 In
Pitch - Term. Interface (mm)	1.02 mm
Plating min: Mating (µin)	30
Plating min: Mating (µm)	0.76
Plating min: Termination (µin)	50.8
Plating min: Termination (µm)	1.27
Ports	12
Positions / Loaded Contacts	8/8
Surface Mount Compatible (SMC)	No
Temperature Range - Operating	0°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	Yes
Shielded	Yes



Series

image - Reference only

EU RoHS

ELV and RoHS

Compliant

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

85719Series

Mates With

Plugs according to IEC 60603-7

Voltage - Maximum

48V

Material Info

Reference - Drawing Numbers

Product Specification

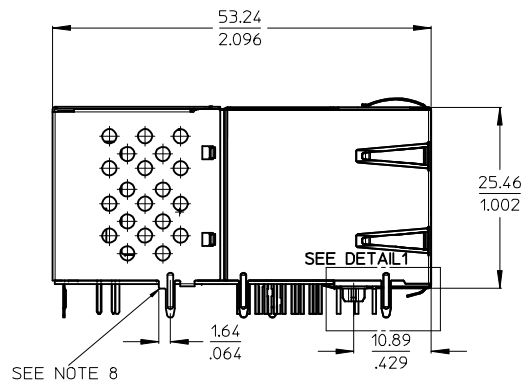
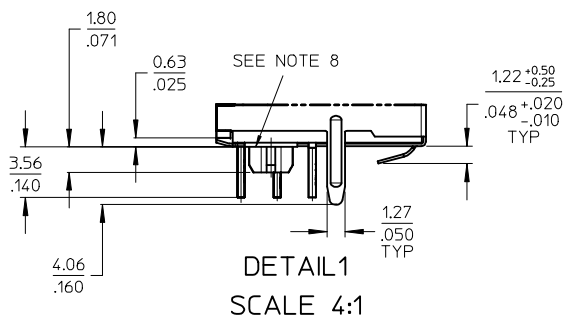
RPS-85719-001

Sales Drawing

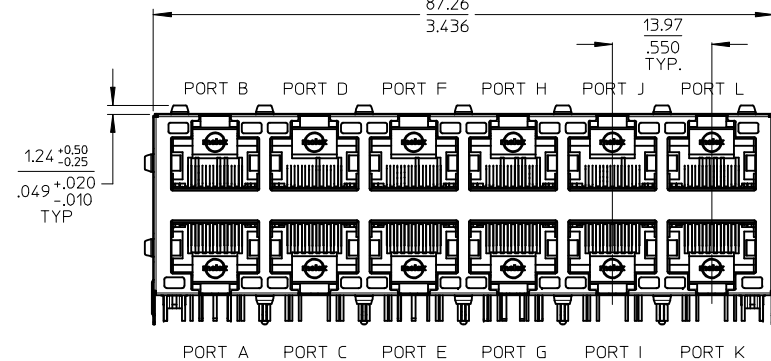
SD-85719-101

This document was generated on 06/08/2010

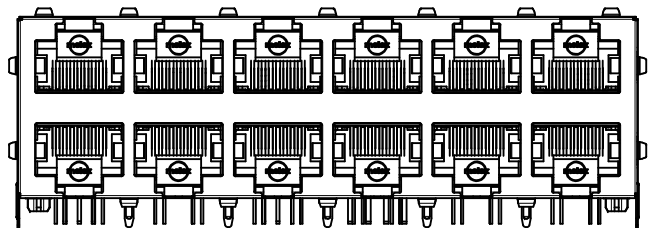
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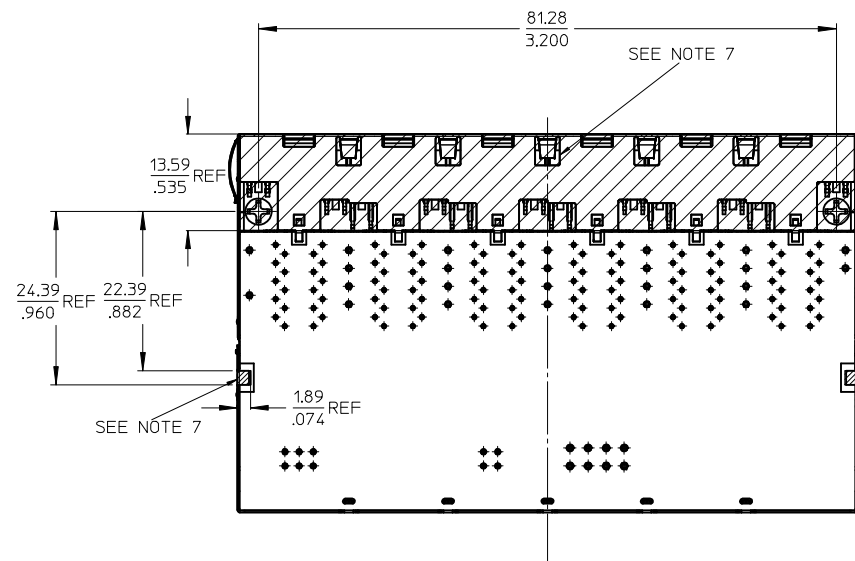
FRONT VIEW HYPERJACK 1000 POE+ ICM LED VERSION P/N 85719-0101



FRONT VIEW HYPERJACK 1000 POE+ ICM NON LED VERSION P/N 85719-0003



P / N	VERSION
85719-0101	LED VERSION
85719-0003	NON LED VERSION

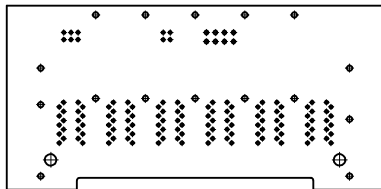


NOTES:

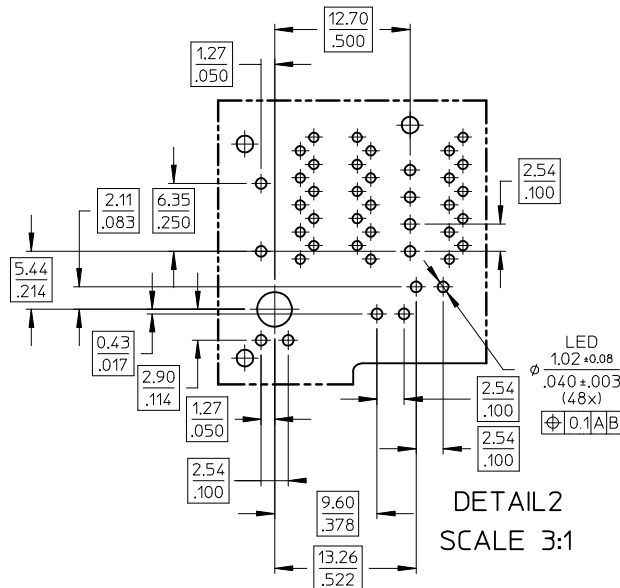
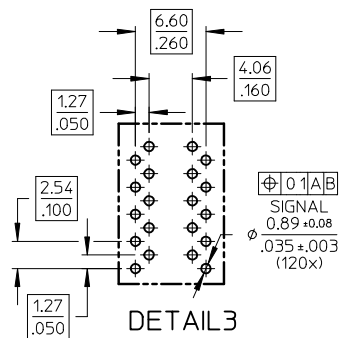
- 1 - SHIELD MATERIAL: BRASS; PLATING: Ni PRE-PLATING
- 2 - PLASTIC MATERIAL: NAGASE-D-VALOX 420 SED BLACK, 30%GR, UL 94V-0\5V (PBT)
- 3 - TERMINALS MATERIAL: COPPER ALLOY
RJ45 CONTACT PLATING: 0.764µm GOLD OVER 1.94µm Ni
SOLDER TERMINALS: 34µm Sn
- 4 - JACK TO BE MATED WITH FCC 68.5 PLUGS / IEC 60603-7 PLUGS
- 5 - PRODUCT SPECIFICATION: PS-85719-001
- 6 - PACKAGING SPECIFICATION: PK-85719-101
- 7 - TRACES WITHOUT INSULATION NOT ALLOWED IN THE DASHED AREAS.
(TO AVOID SHORTS TO SHIELD)
- 8 - STAND OFF TO SYSTEM BOARD

ENTER DESCRIPTION		DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION	
EC NO: MG2009-0084	REV			mm	INCH	MM/IN		2:1	METRIC		
CHKD:JBADER	2009/08/11	▽=0	4 PLACES	± ---	± ---	DRAWN BY	DATE	HYPERJACK 1000 POE+ INTEGRATED CONNECTOR MODULE 2X6			
CHKD:MMANGARUDOV	2009/08/11	▽=0	3 PLACES	± ---	± .01	CHECKED BY	DATE				
APPR:SSTEINKE	2009/08/20		2 PLACES	± 0.25	± .02	MMANGARUDOV	2009/03/11	MOLEX INCORPORATED			
			1 PLACE	± 0.5	± ---	APPROVED BY	DATE				
			ANGULAR ± 1 °		SSTEINKE	2009/03/11					
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO.			DOCUMENT NO.		SHEET NO.	
					SEE BOM		SD-85719-101		1 OF 3		
					THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						

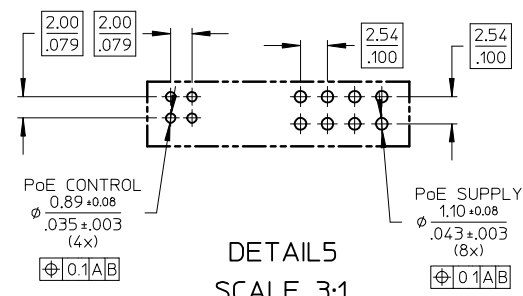
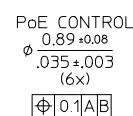
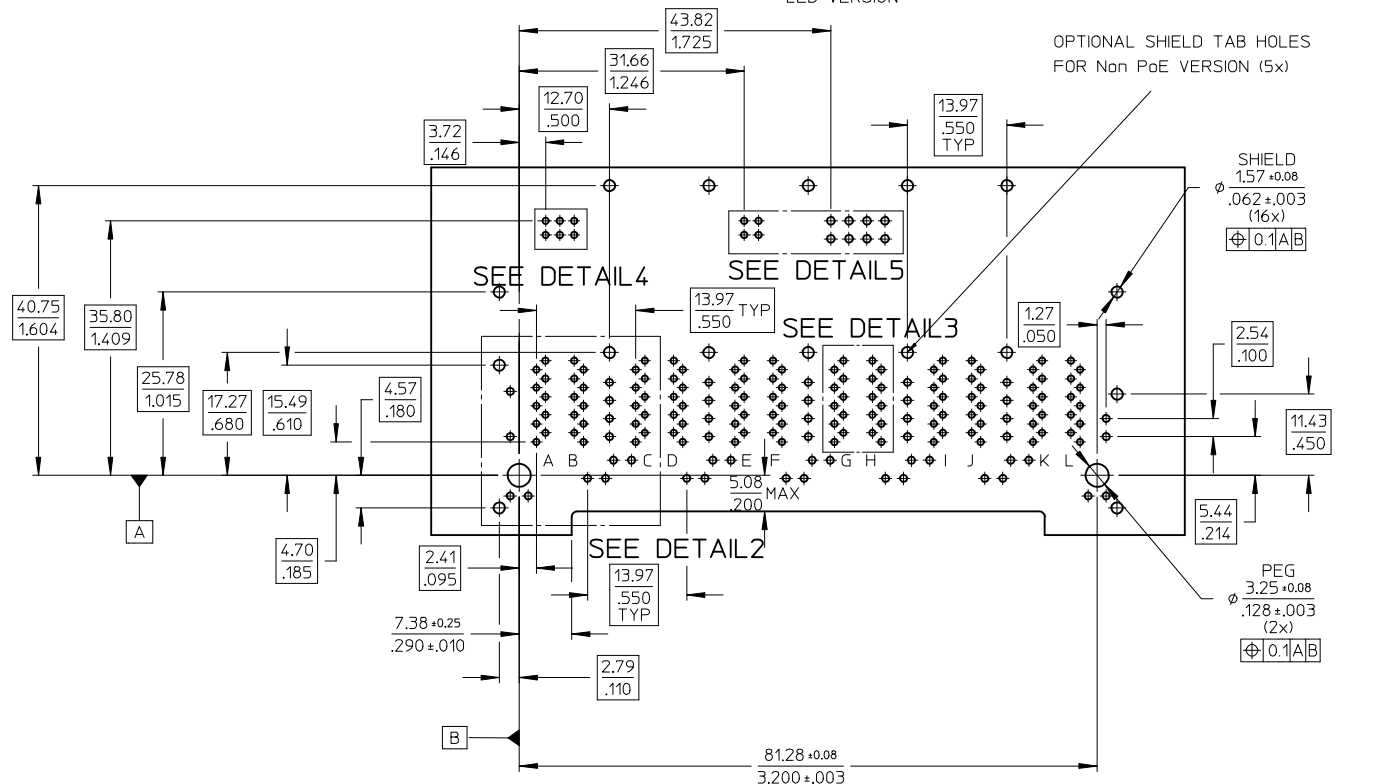
FOOT PRINT OUT FOR NON LED VERSION (85719-0003)
MISSING DIMENSIONS SEE LED VERSION



SCALE 1:1



FOOT PRINT OUT FOR
LED VERSION

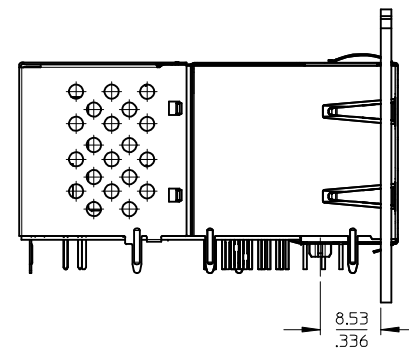
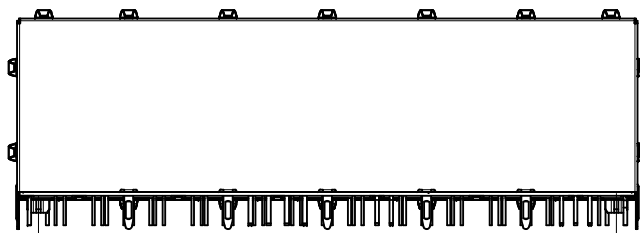
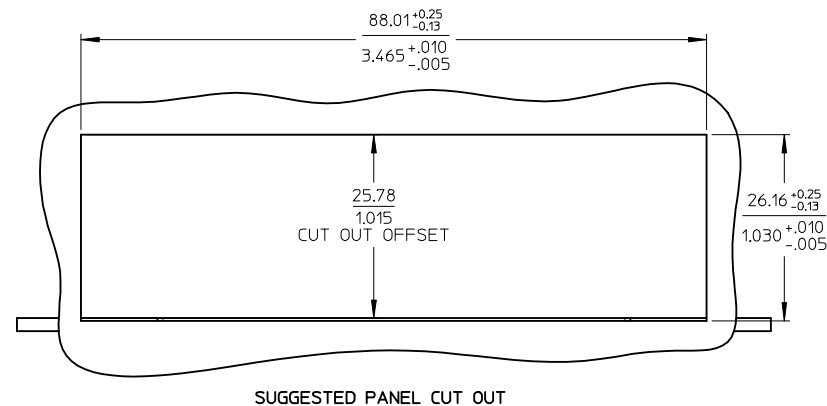
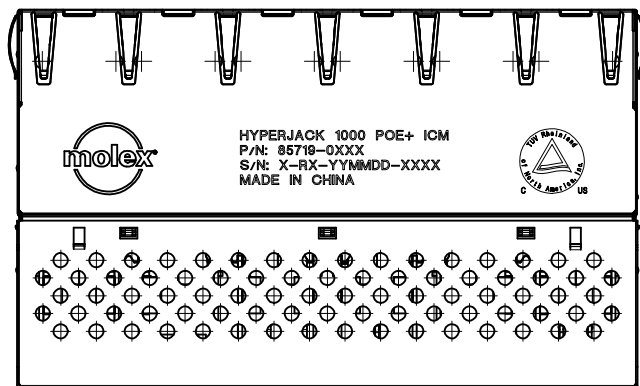


ENTER DESCRIPTION		QUALITY SYMBOLS		GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE		DESIGN UNITS		THIRD ANGLE PROJECTION	
EC NO: YG2009-0084		▽=0		mm INCH		MM/IN		2:1		METRIC		THIRD ANGLE PROJECTION	
DRWN: JBADER 2009/08/11		▽=0		4 PLACES ± --- ± ---		DRAWN BY DATE		TITLE		MATERIAL NO.		SHEET NO.	
CHKD: MMANGARUDOV 2009/08/11				3 PLACES ± --- ± .01		JBADER 2009/03/11		HYPERJACK 1000 POE+ INTEGRATED CONNECTOR MODULE 2X6		SSTE INKE 2009/08/20		2 OF 3	
APPR: SSTE INKE 2009/08/20				2 PLACES ± 0.25 ± .02		CHECKED BY DATE		MMANGARUDOV 2009/03/11		APPROVED BY DATE		DOCUMENT NO.	
				1 PLACE ± 0.5 ± ---		SSTE INKE 2009/03/11		MOLEX INCORPORATED		SD-85719-101			
				ANGULAR ± 1 °		SEE SHEET 1							
				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							

PRINTING
LED VERSION
HYPERJACK 1000 POE+ ICM
P/N: 85719-0101
S/N: X-RX-YYMMDD-XXXX
MADE IN CHINA

PRINTING
NON LED VERSION
HYPERJACK 1000 POE+ ICM
P/N: 85719-0003
S/N: X-RX-YYMMDD-XXXX
MADE IN CHINA

PRINTING



NOTES:

- 1 - PRINTING MARKED BY LASER
- 2 - INSCRIPTION:
 - 1st LINE: PART NAME
 - 2nd LINE: PART NUMBER
 - 3rd LINE: SERIES NUMBER -> MANUFACTURER ID - CONNECTOR REVISION - DATE CODE (YEAR, MONTH, DAY) - CONSECUTIVE NUMBER
 - 4th LINE: COUNTRY OF ORIGIN
- 3 - TUV LOGO

ENTER DESCRIPTION EC NO: MG2009-0084 DRWN:JBADER 2009/08/11 CHKD:MMANGARUDOV 2009/08/11 APPR:SSTE INKE 2009/08/20		DESCRIPTION	REV	QUALITY SYMBOLS		GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION	
				▽=0		mm INCH		MM/IN		2:1	METRIC	HYPERJACK 1000 POE+ INTEGRATED CONNECTOR MODULE 2X6 MOLEX INCORPORATED	
				▽=0		4 PLACES ± --- ± ---		DRAWN BY DATE		TITLE			
						3 PLACES ± --- ± .01		CHECKED BY DATE					
						2 PLACES ± 0.25 ± .02		MMANGARUDOV 2009/03/11					
						1 PLACE ± 0.5 ± ---		APPROVED BY DATE					
						ANGULAR ± 1 °		SSTE INKE 2009/03/11					
								MATERIAL NO.		DOCUMENT NO.			
								SEE SHEET 1		SD-85719-101			
								DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE A2			
1										SHEET NO. 3 OF 3			