

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0857290101

Status:

Active

Overview:

magnetic_modular_jacks

Description:

HyperJack™ 1000 PoE+ PSE Integrated Connector Module, 2x4, With LEDs



Series

image - Reference only

Documents:

3D Model

Drawing (PDF)

[RoHS Certificate of Compliance \(PDF\)](#)

General

Product Family	Modular Jacks/Plugs
Series	85729
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	LEDs
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	8
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

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

85729Series

Mates With

Plugs according to IEC 60603-7

Voltage - Maximum

48V

Material Info

Reference - Drawing Numbers

Packaging Specification

PK-85729-135

Product Specification

RPS-85719-001

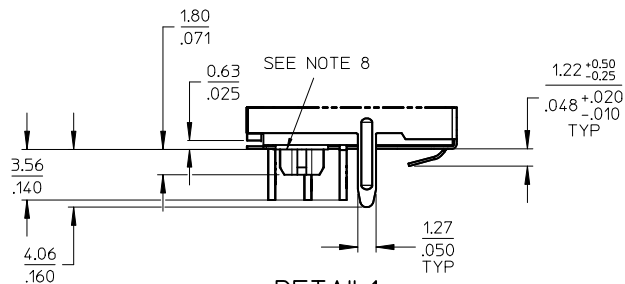
Sales Drawing

SD-85729-101

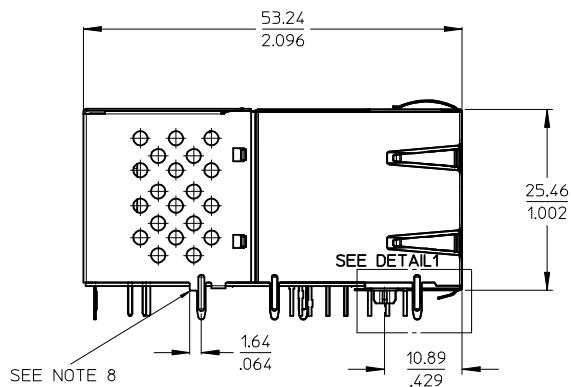
This document was generated on 06/08/2010

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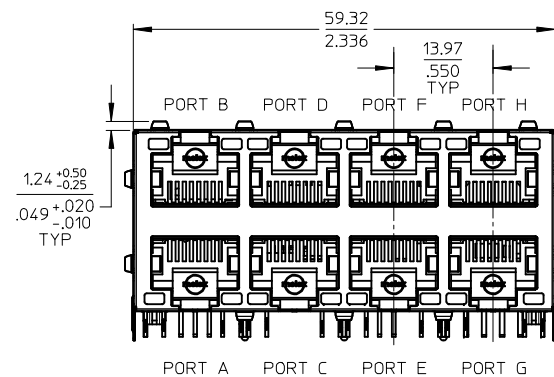
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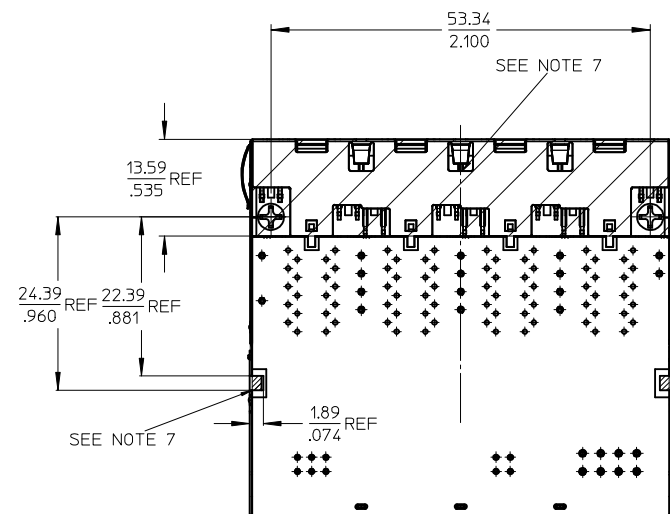
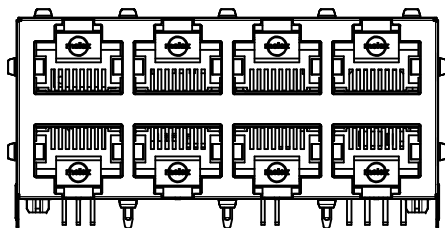
DETAIL1
SCALE 4:1



FRONT VIEW HYPER JACK 1000 POE+ ICM LED VERSION P/N 85729-0101



FRONT VIEW HYPERJACK 1000POE+ ICM NON LED VERSION P/N 85729-0102



P / N	VERSION
85729-0101	LED VERSION
85729-0102	NON LED VERSION

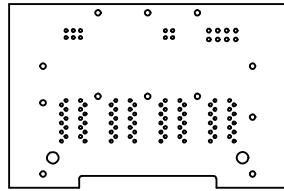
NOTES:

- 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: 0.764m GOLD OVER 1.94m Ni
SOLDER TERMINALS: 34m Sn
- 4 - JACK TO BE MATED WITH FCC 68.5 PLUGS
- 5 - PRODUCT SPECIFICATION: PS-85719-001
- 6 - PACKAGING SPECIFICATION: PK-85729-101
- 7 - TRACES WITHOUT INSULATION NOT ALLOWED IN THE DASHED AREAS.
(TO AVOID SHORTS TO SHIELD)
- 8 - STAND OFF TO SYSTEM BOARD

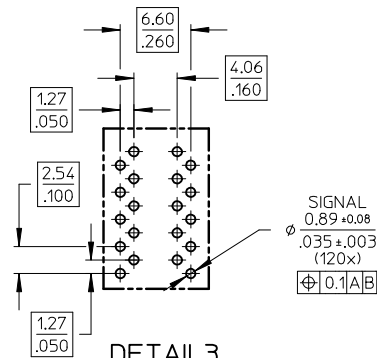
ENTER DESCRIPTION EC NO: MG2009-0072 DRWN:JBADER 2009/08/06 CHKD:MMANGARUDOV 2009/08/06 APPR:SSTE INKE 2009/08/07	DESCRIPTION	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 2:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION				
				mm	INCH	DRAWN BY JBADER	DATE 2009/03/12	TITLE HYPERJACK 1000 POE+ INTEGRATED CONNECTOR MODULE MOLEX MOLEX INCORPORATED					
			4 PLACES	± ---	± ---	CHECKED BY	DATE						
			3 PLACES	± ---	± ---	MMANGARUDOV	2009/03/12						
			2 PLACES	± 0.25	± ---	APPROVED BY	DATE						
			1 PLACE	± 0.5	± ---	SSTE INKE	2009/03/12						
			ANGULAR ± .5 °			MATERIAL NO.		DOCUMENT NO.		SHEET NO.			
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			SEE BOM		SD-85729-101		1 OF 3			
						SIZE A2	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						

12 11 10 9 8 7 6 5 4 3 2 1

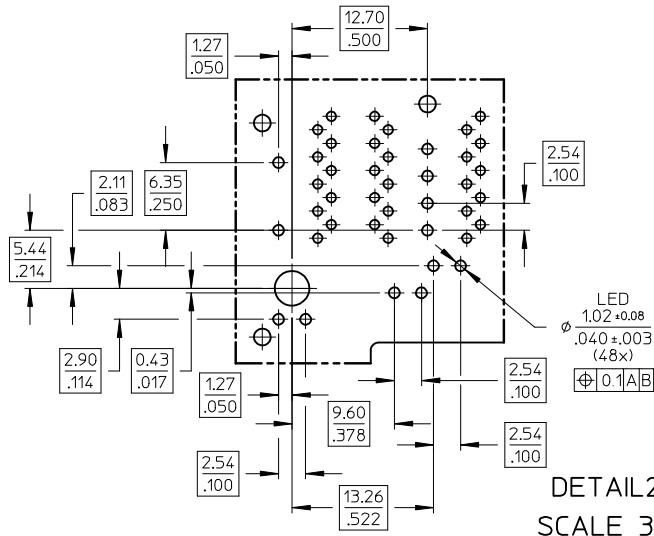
FOOT PRINT FOR NON LED VERSION (85729-0003)
MISSING DIMENSIONS SEE LED VERSION



SCALE 1:1

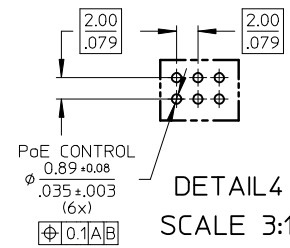
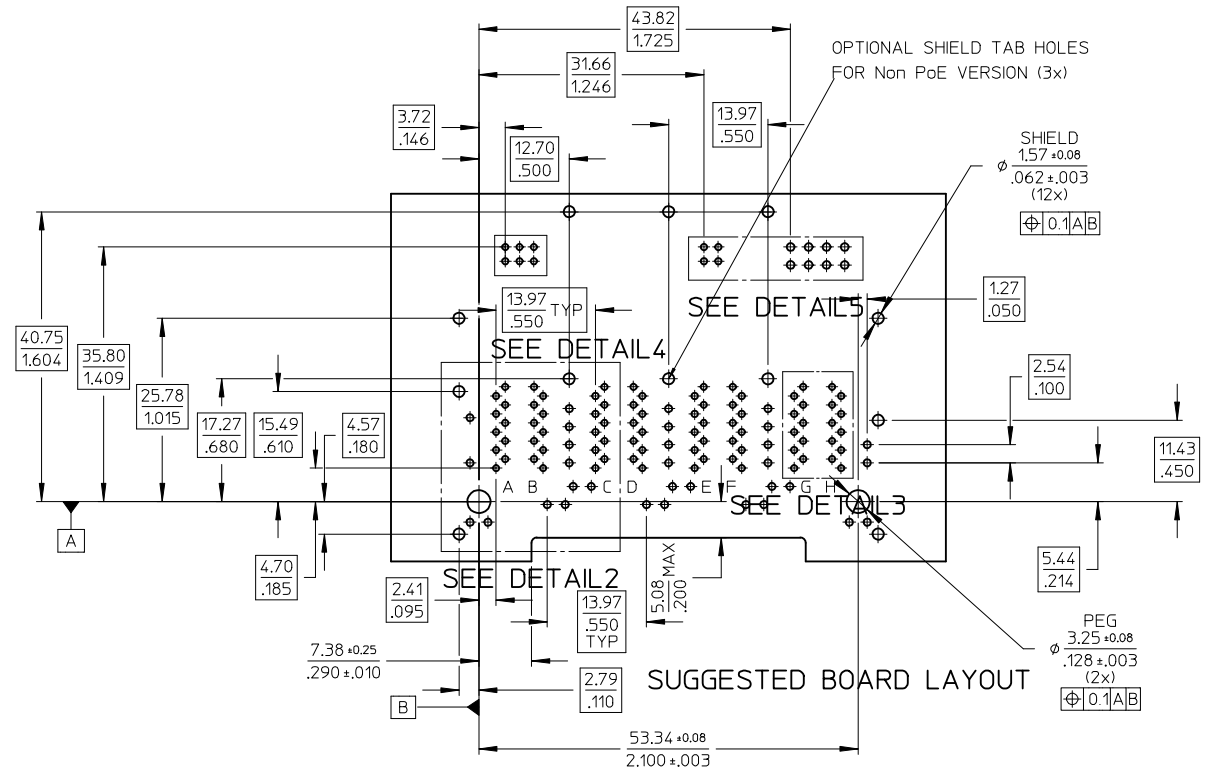


DETAIL3
SCALE 3:1

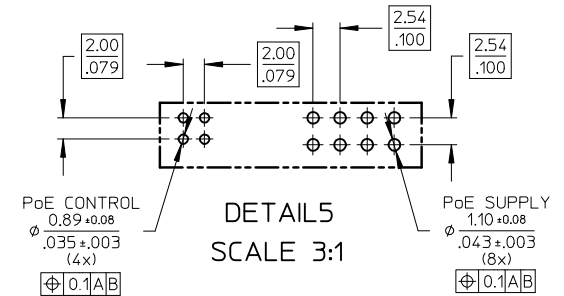


DETAIL2
SCALE 3:1

FOOT PRINT OUT FOR
LED VERSION



DETAIL4
SCALE 3:1



DETAIL5
SCALE 3:1

ENTER DESCRIPTION		QUALITY SYMBOLS		GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 2:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
EC NO: YG2009-0072	2009/08/06	JBADER	2009/08/06	CHIKO-MANGARUDOV	2009/08/06	APPR: SSTEINKE	2009/08/07				
REVISION		SYMBOLS		mm		INCH		DRAWN BY		DATE	
1		=0		4 PLACES ±---		±---		JBADER		2009/03/12	
		=0		3 PLACES ±---		±---		CHECKED BY		DATE	
				2 PLACES ±0.25		±---		MMANGARUDOV		2009/03/12	
				1 PLACE ±0.5		±---		APPROVED BY		DATE	
				ANGULAR ±.5°		±---		SSTEINKE		2009/03/12	
				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO.		SEE SHEET 1		DOCUMENT NO.	
						SIZE A2		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			

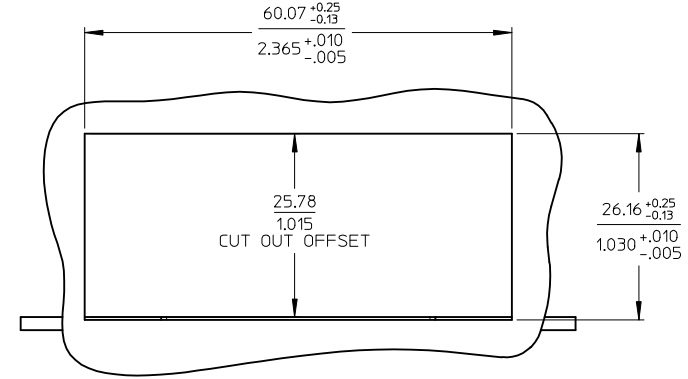
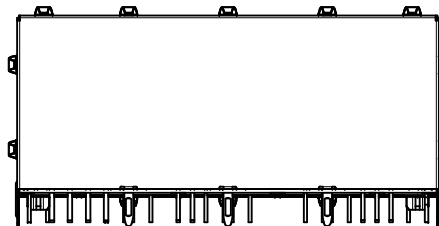
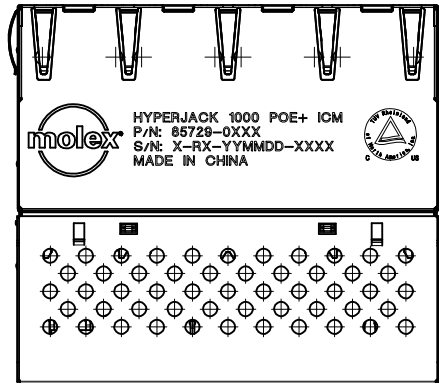
PRINTING
LED VERSION

HYPERJACK 1000 POE+ ICM
P/N: 85729-0101
S/N: X-RX-YYMMDD-XXXX
MADE IN CHINA

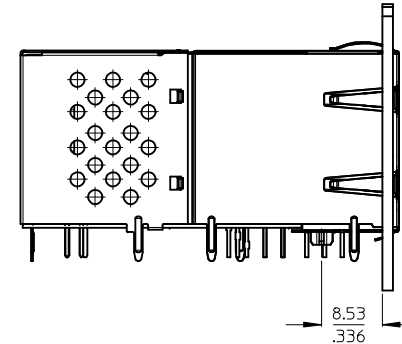
PRINTING
NON LED VERSION

HYPERJACK 1000 POE+ ICM
P/N: 85729-0102
S/N: X-RX-YYMMDD-XXXX
MADE IN CHINA

PRINTING



SUGGESTED PANEL CUT OUT



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		QUALITY SYMBOLS		GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 2:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
EC NO: NG2009-0072	2009/08/06	JBADER	2009/08/06	CHKO:MMANGARUDOV	2009/08/06	APPR:SSTE INKE	2009/08/07				
1											
DRAWN BY JBADER		DATE 2009/03/12		CHECKED BY MMANGARUDOV		DATE 2009/03/12		APPROVED BY SSTE INKE		DATE 2009/03/12	
MATERIAL NO.		SEE SHEET 1		DOCUMENT NO.		SD-85729-101		SHEET NO. 3 OF 3			
SIZE A2		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									