

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

Documents:

[3D Model](#) [RoHS Certificate of Compliance \(PDF\)](#)
[Drawing \(PDF\)](#)

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



image - Reference only

Series

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

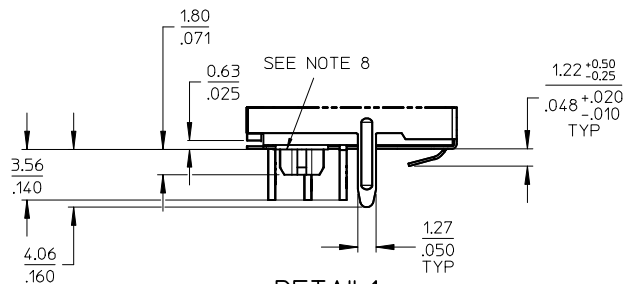
Sales Drawing

SD-85729-101

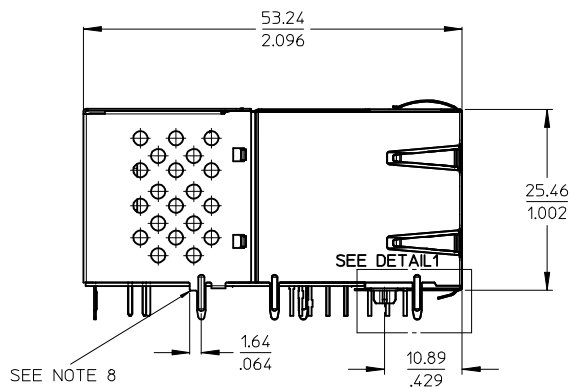
This document was generated on 06/08/2010

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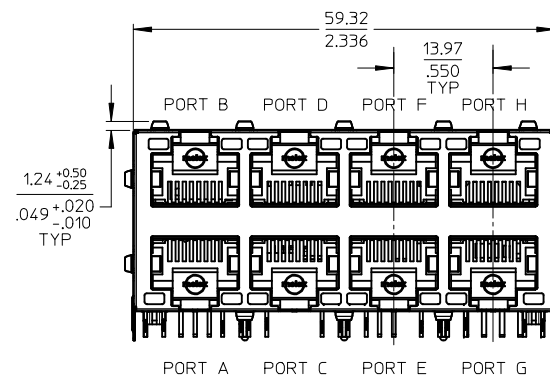
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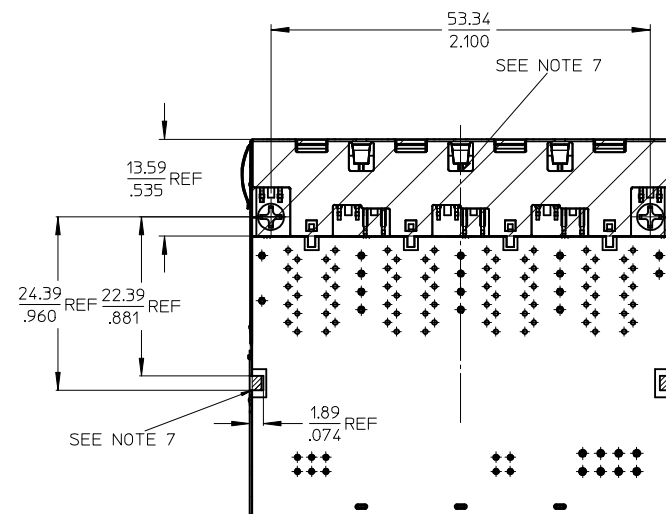
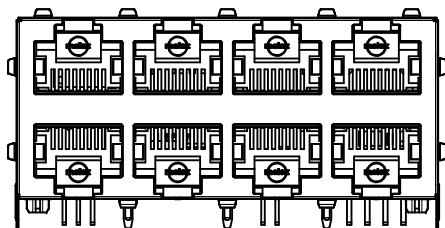
DETAIL1
SCALE 4:1



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

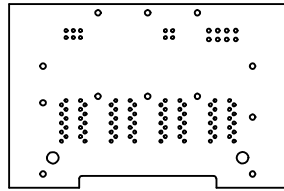
NOTES:

- 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: 0.764um GOLD OVER 1.94um Ni
SOLDER TERMINALS: 34um 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

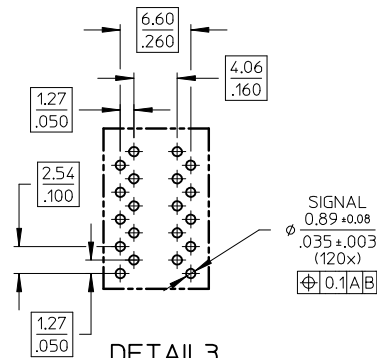
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				mm	INCH	DRAWN BY JBADER	DATE 2009/03/12	TITLE				
			4 PLACES	± ---	± ---	CHECKED BY	DATE	HYPERJACK 1000 POE+ INTEGRATED CONNECTOR MODULE				
			3 PLACES	± ---	± ---	MMANGARUDOV	2009/03/12					
			2 PLACES	± 0.25	± ---	APPROVED BY	DATE			molex MOLEX INCORPORATED		
			1 PLACE	± 0.5	± ---	SSTEINKE	2009/03/12					
			ANGULAR ± .5 °		MATERIAL NO.		DOCUMENT NO.					
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE BOM		SD-85729-101			SHEET NO. 1 OF 3		
			1	REV	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

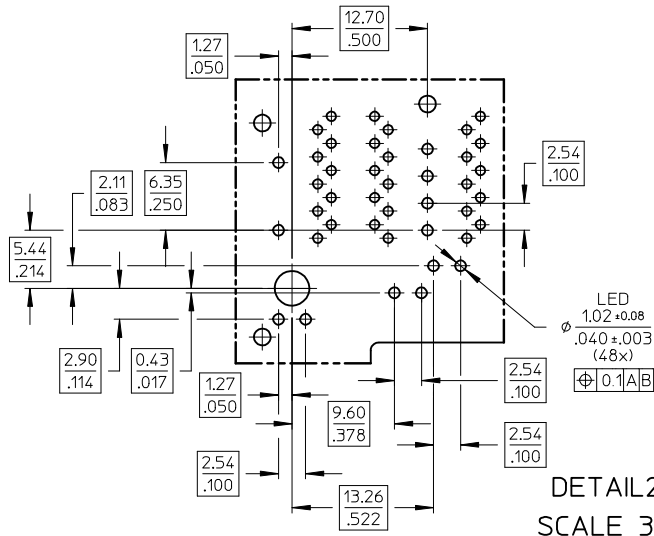
FOOT PRINT FOR NON LED VERSION (85729-0003)
MISSING DIMENSIONS SEE LED VERSION



SCALE 1:1

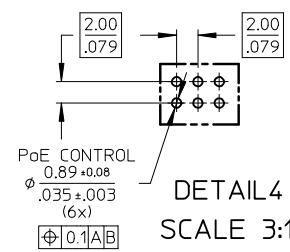
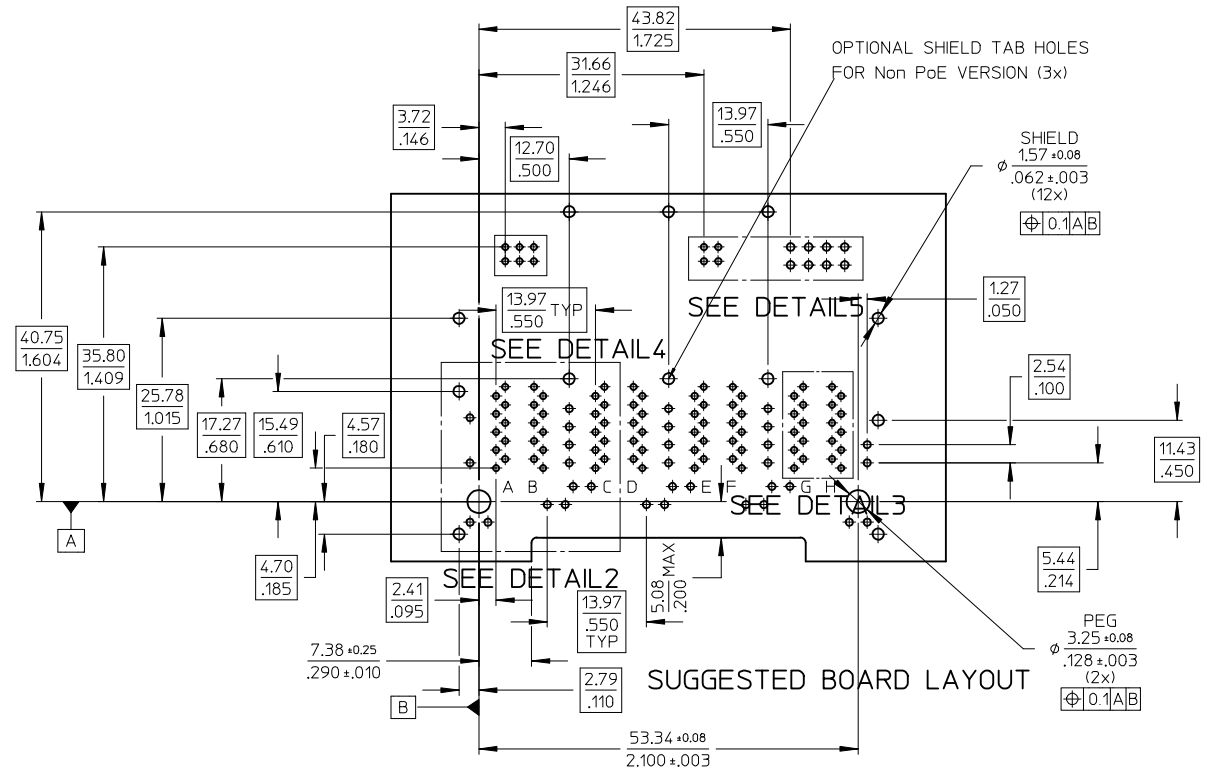


DETAIL3
SCALE 3:1

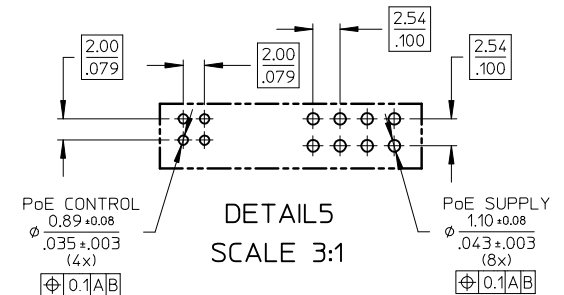


DETAIL2
SCALE 3:1

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: M2009-0072	2009/08/06	JBADER	2009/08/06	CHKO-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	

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

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

HYPERJACK 1000 POE+ ICM

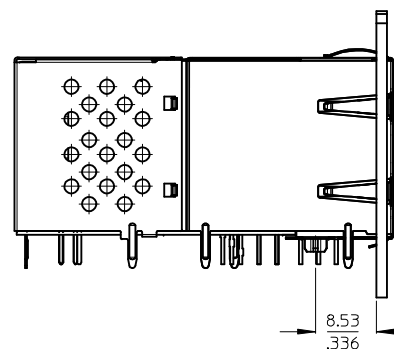
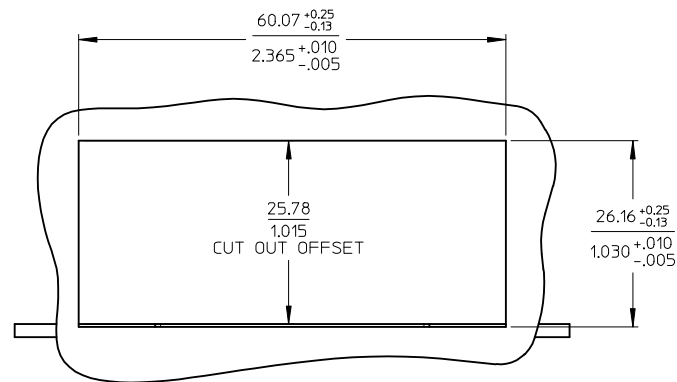
P/N: 65729-0XXX

S/N: X-RX-YYMMDD-XXXX

MADE IN CHINA

molex

RoHS



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: MG2009-0072 DRWN: JBADER 2009/08/06 CHYKD-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			
			4 PLACES ± ---	± ---	CHECKED BY MMANGARUDOV	DATE 2009/03/12					
			3 PLACES ± ---	± ---	APPROVED BY SSTE INKE	DATE 2009/03/12	MOLEX MOLEX INCORPORATED				
			2 PLACES ± 0.25	± ---	MATERIAL NO. SEE SHEET 1	DOCUMENT NO. SD-85729-101					SHEET NO. 3 OF 3
			1 PLACE ± 0.5	± ---	ANGULAR ± .5 °						
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE A2		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				



Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



Как с нами связаться

Телефон: 8 (812) 309 58 32 (многоканальный)

Факс: 8 (812) 320-02-42

Электронная почта: org@eplast1.ru

Адрес: 198099, г. Санкт-Петербург, ул. Калинина, дом 2, корпус 4, литера А.