

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

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

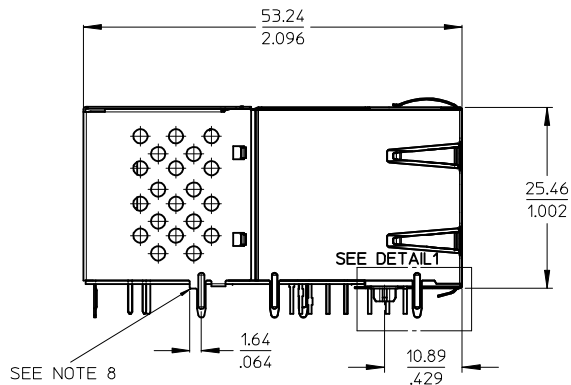
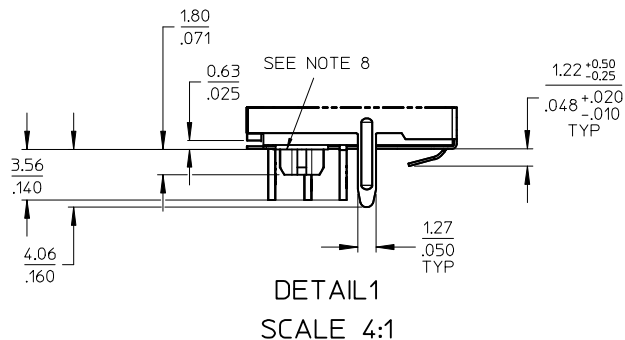
Sales Drawing

SD-85729-101

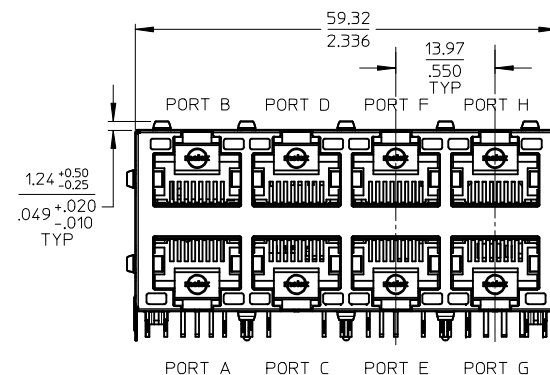
This document was generated on 06/08/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

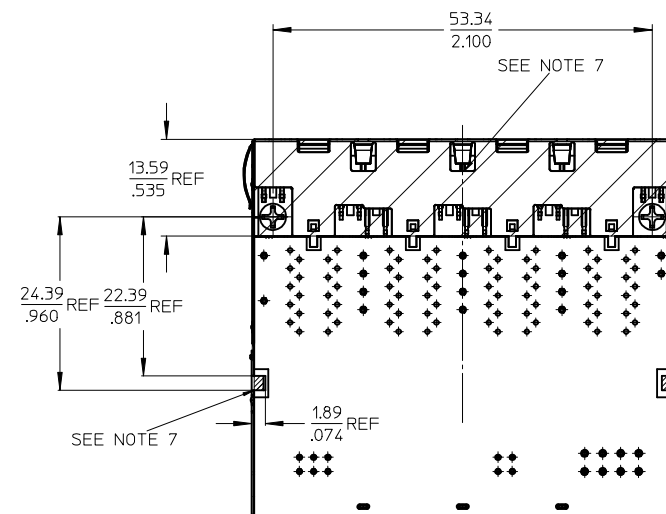
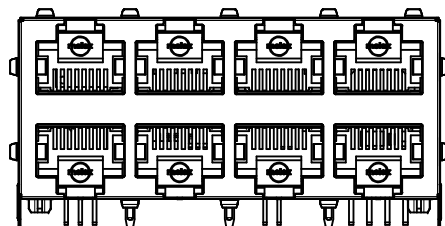
13 12 11 10 9 8 7 6 5 4 3 2 1



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

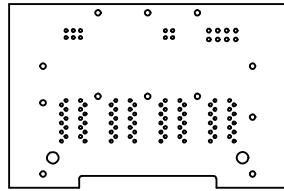
NOTES:

- 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

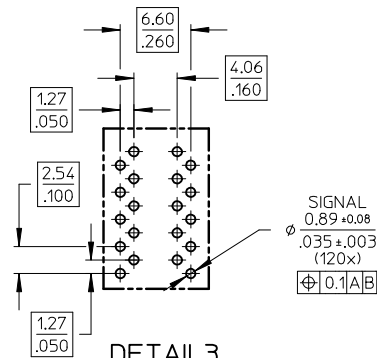
ENTER DESCRIPTION EC NO: MG2009-0072 DRWN:JBADER 2009/08/06 CHKD:MMANGARUDOV 2009/08/06 APPR:SSTEINKE 2009/08/07	DESCRIPTION	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 2:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
				mm	INCH	DRAWN BY JBADER	DATE 2009/03/12	TITLE	HYPERJACK 1000 POE+ INTEGRATED CONNECTOR MODULE		
			4 PLACES	± ---	± ---	CHECKED BY	DATE				
			3 PLACES	± ---	± ---	MMANGARUDOV	2009/03/12	MOLEX MOLEX INCORPORATED			
			2 PLACES	± 0.25	± ---	APPROVED BY	DATE				
			1 PLACE	± 0.5	± ---	SSTEINKE	2009/03/12	DOCUMENT NO. SD-85729-101			
			ANGULAR ± .5 °		MATERIAL NO.		SHEET NO. 1 OF 3				
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE BOM						
					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

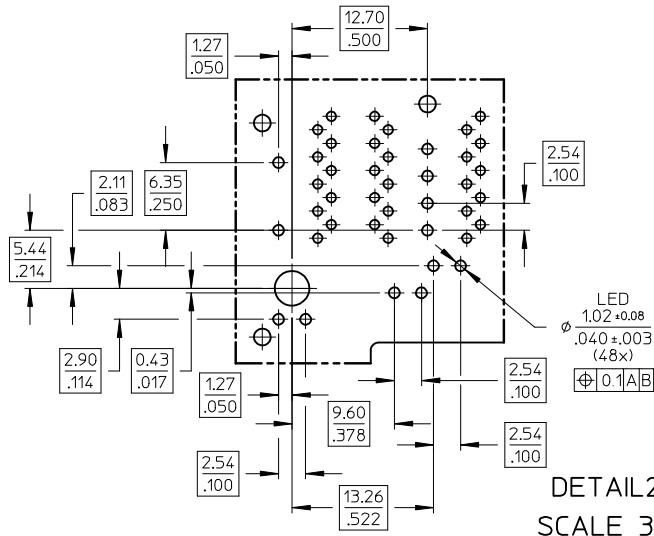
FOOT PRINT FOR NON LED VERSION (85729-0003)
MISSING DIMENSIONS SEE LED VERSION



SCALE 1:1

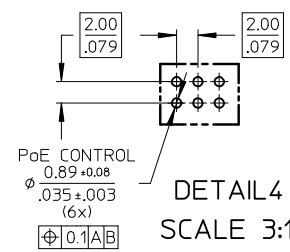
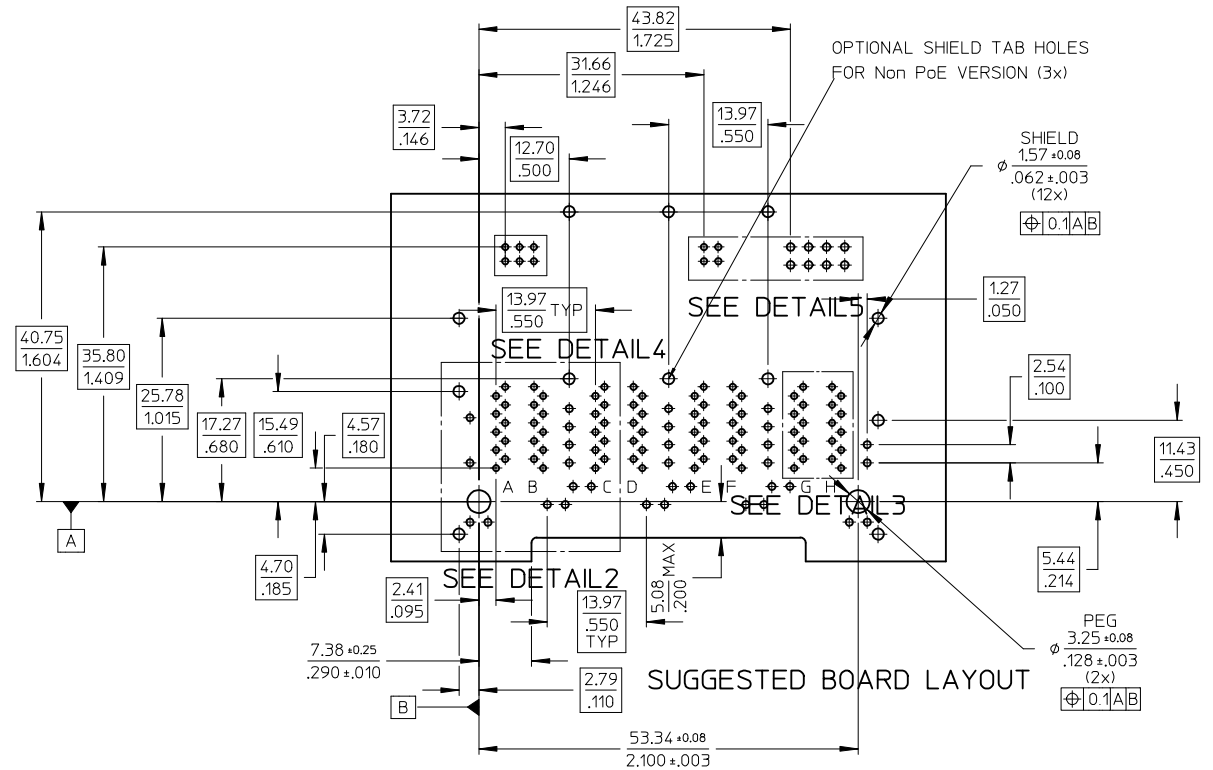


DETAIL 3
SCALE 3:1

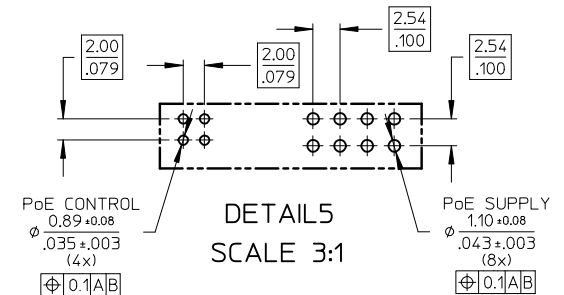


DETAIL 2
SCALE 3:1

FOOT PRINT OUT FOR
LED VERSION



DETAIL 4
SCALE 3:1



DETAIL 5
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			

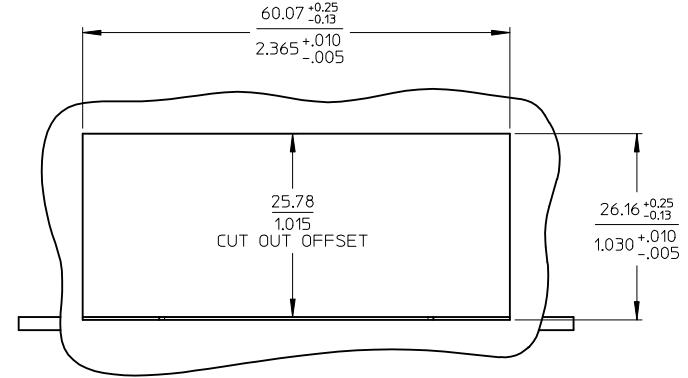
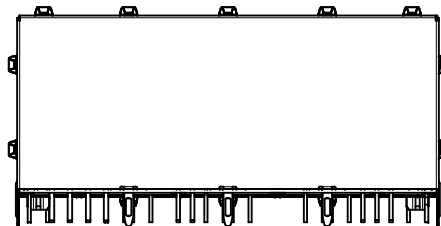
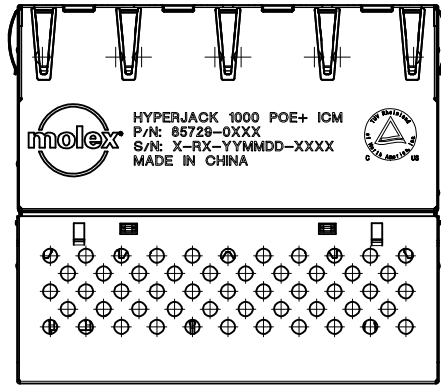
PRINTING
LED VERSION

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

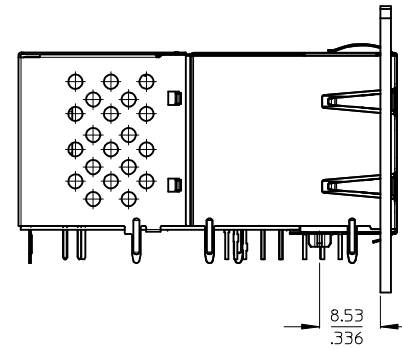
PRINTING
NON LED VERSION

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:SSTEINKE	2009/08/07				
1	DESCRIPTION	▽=0	▽=0	4 PLACES ± ---	± ---	mm	INCH	DRAWN BY JBADER	DATE 2009/03/12	TITLE HYPERJACK 1000 POE+ INTEGRATED CONNECTOR MODULE	
				3 PLACES ± ---	± ---			CHECKED BY MMANGARUDOV	DATE 2009/03/12		
				2 PLACES ± 0.25	± ---			APPROVED BY SSTEINKE	DATE 2009/03/12		
				1 PLACE ± 0.5	± ---			MATERIAL NO.			
				ANGULAR ± .5 °		SEE SHEET 1		DOCUMENT NO.		SD-85729-101	
				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		SHEET NO. 3 OF 3	

Компания «Life Electronics» занимается поставками электронных компонентов импортного и отечественного производства от производителей и со складов крупных дистрибьюторов Европы, Америки и Азии.

С конца 2013 года компания активно расширяет линейку поставок компонентов по направлению коаксиальный кабель, кварцевые генераторы и конденсаторы (керамические, пленочные, электролитические), за счёт заключения дистрибьюторских договоров

Мы предлагаем:

- Конкурентоспособные цены и скидки постоянным клиентам.
- Специальные условия для постоянных клиентов.
- Подбор аналогов.
- Поставку компонентов в любых объемах, удовлетворяющих вашим потребностям.
- Приемлемые сроки поставки, возможна ускоренная поставка.
- Доставку товара в любую точку России и стран СНГ.
- Комплексную поставку.
- Работу по проектам и поставку образцов.
- Формирование склада под заказчика.
- Сертификаты соответствия на поставляемую продукцию (по желанию клиента).
- Тестирование поставляемой продукции.
- Поставку компонентов, требующих военную и космическую приемку.
- Входной контроль качества.
- Наличие сертификата ISO.

В составе нашей компании организован Конструкторский отдел, призванный помогать разработчикам, и инженерам.

Конструкторский отдел помогает осуществить:

- Регистрацию проекта у производителя компонентов.
- Техническую поддержку проекта.
- Защиту от снятия компонента с производства.
- Оценку стоимости проекта по компонентам.
- Изготовление тестовой платы монтаж и пусконаладочные работы.



Тел: +7 (812) 336 43 04 (многоканальный)

Email: org@lifeelectronics.ru

www.lifeelectronics.ru