

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

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.

China RoHS



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

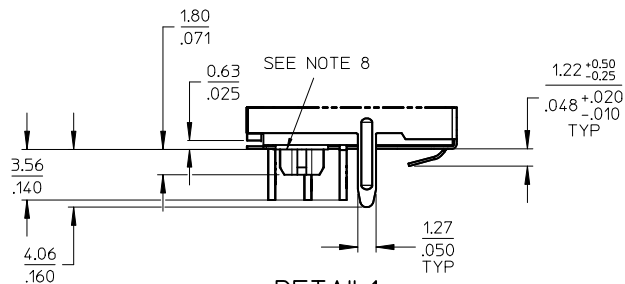
Sales Drawing

SD-85729-101

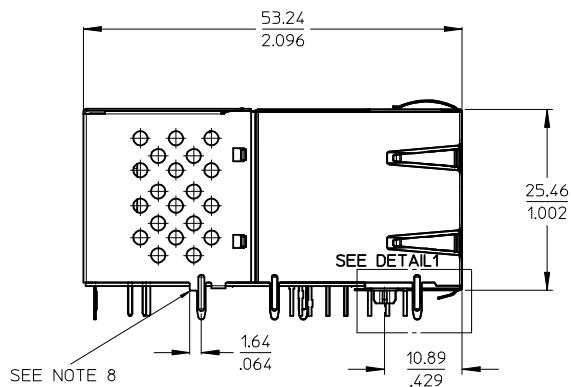
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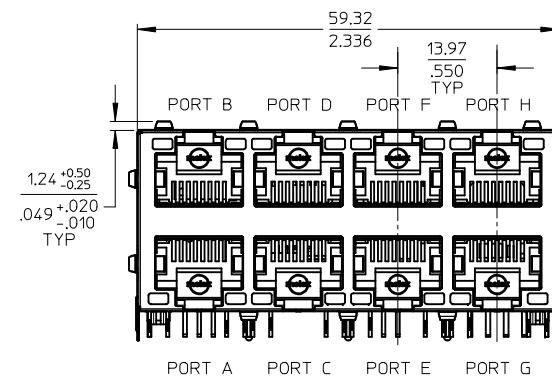
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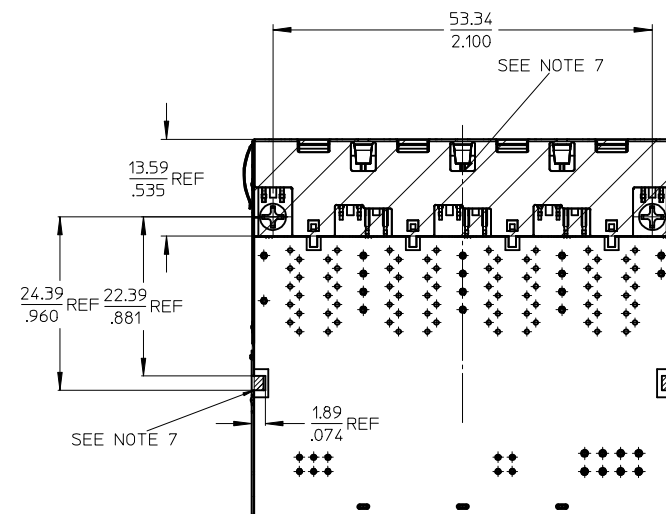
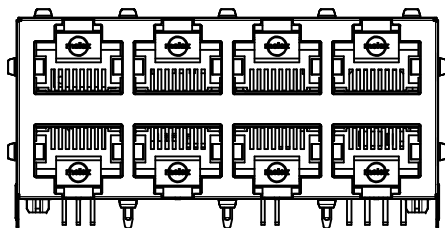
DETAIL1
SCALE 4:1



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

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		
			4 PLACES	± .005	± .005	HYPERJACK 1000 POE+ INTEGRATED CONNECTOR MODULE				
			3 PLACES	± .005	± .005					
			2 PLACES	± 0.25	± .010					
			1 PLACE	± 0.5	± .020					
			ANGULAR ± .5 °		APPROVED BY SSTE INKE	DATE 2009/03/12	 MOLEX INCORPORATED			
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO.	DOCUMENT NO.				
					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

A 10x10 grid containing various symbols. The symbols are arranged as follows: Row 1: 3 small circles at (1,4), (1,6), (1,8); 3 groups of 3 small squares at (1,2-4), (1,5-7), (1,8-10). Row 2: 1 small circle at (2,1); 1 group of 3 small squares at (2,5-7); 1 small circle at (2,10). Row 3: 1 small circle at (3,1); 1 group of 3 small squares at (3,2-4); 1 small circle at (3,5); 1 group of 3 small squares at (3,6-8); 1 small circle at (3,9). Row 4: 1 group of 3 small squares at (4,2-4); 1 group of 3 small squares at (4,5-7); 1 group of 3 small squares at (4,8-10). Row 5: 1 group of 3 small squares at (5,2-4); 1 group of 3 small squares at (5,5-7); 1 group of 3 small squares at (5,8-10). Row 6: 1 group of 3 small squares at (6,2-4); 1 group of 3 small squares at (6,5-7); 1 group of 3 small squares at (6,8-10). Row 7: 1 group of 3 small squares at (7,2-4); 1 group of 3 small squares at (7,5-7); 1 group of 3 small squares at (7,8-10). Row 8: 1 group of 3 small squares at (8,2-4); 1 group of 3 small squares at (8,5-7); 1 group of 3 small squares at (8,8-10). Row 9: 1 group of 3 small squares at (9,2-4); 1 group of 3 small squares at (9,5-7); 1 group of 3 small squares at (9,8-10). Row 10: 1 group of 3 small squares at (10,2-4); 1 group of 3 small squares at (10,5-7); 1 group of 3 small squares at (10,8-10).

6.60
.260

4.06
.160

12.7
.050

2.54
.100

12.7
.050

SIGNAL
0.89 ±0.08
0.035 ±0.003
(120x)

0.1 A/B

DETAIL 3

Technical drawing of a detail of a reinforced concrete slab, labeled DETAIL 2. The drawing shows a cross-section of a slab with a grid of reinforcement bars. Dimensions are given in inches and millimeters. Key dimensions include: overall width 12.70 (500), overall height 13.26 (522), and various spacing dimensions for the reinforcement bars. A note indicates a 48x grid of bars with a spacing of 0.40 ± 0.03 (48x). A detail callout shows a bar with a diameter of 0.101 (A/B).

LED 1.02 ± 0.08
 Ø .040 ± .003 (48x)
 Ø 0.101 (A/B)

DETAIL 2
 SCALE 3/8" = 1'-0"

[illegible]

PoE CONTROL
 0.89 ± 0.08
 $\varnothing .035 \pm .003$
 (4x)
 $\varnothing .01A \pm B$

DETAIL5
 SCALE 3:1

PoE SUPPLY
 1.10 ± 0.08
 $\varnothing .043 \pm .003$
 (8x)
 $\varnothing .01A \pm B$

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Rev. E 2006/04/15

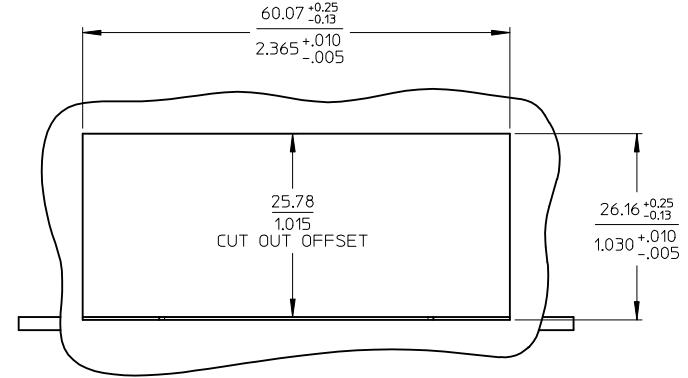
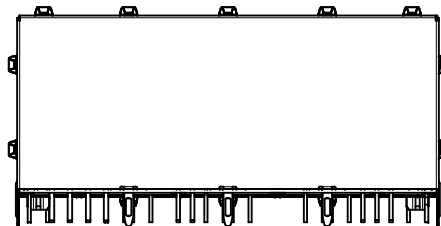
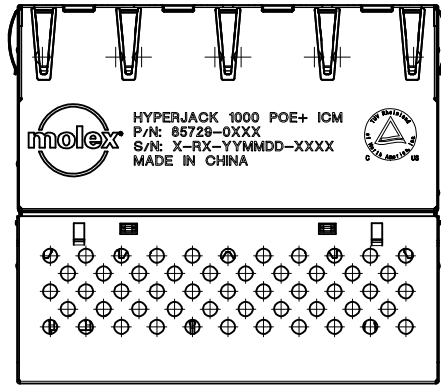
PRINTING
LED VERSION

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

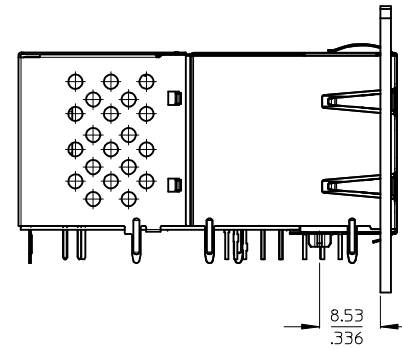
PRINTING
NON LED VERSION

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											
DRAWN BY JBADER		DATE 2009/03/12		CHECKED BY MMANGARUDOV		DATE 2009/03/12		APPROVED BY SSTEINKE		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									

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Наши преимущества:

- Поставка оригинальных импортных электронных компонентов напрямую с производств Америки, Европы и Азии, а так же с крупнейших складов мира;
- Широкая линейка поставок активных и пассивных импортных электронных компонентов (более 30 млн. наименований);
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
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- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Поставка электронных компонентов под контролем ВП;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- При необходимости вся продукция военного и аэрокосмического назначения проходит испытания и сертификацию в лаборатории (по согласованию с заказчиком);
- Поставка специализированных компонентов военного и аэрокосмического уровня качества (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Actel, Aeroflex, Peregrine, VPT, Syfer, Eurofarad, Texas Instruments, MS Kennedy, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

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JONHON

«JONHON» (основан в 1970 г.)

Разъемы специального, военного и аэрокосмического назначения:

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«FORSTAR» (основан в 1998 г.)

ВЧ соединители, коаксиальные кабели,
кабельные сборки и микроволновые компоненты:

(Применяются в телекоммуникациях гражданского и специального назначения, в средствах связи, РЛС, а так же военной, авиационной и аэрокосмической отраслях промышленности).



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