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Part Number:

0857801005

Status:

Active

Overview:

magnetic_modular_jacks

Description:

HyperJack 1000 2x6 Modular Jack LED NonPOE



Series

image - Reference only

Documents:

- [3D Model](#)
- [Packaging Specification \(PDF\)](#)
- [Drawing \(PDF\)](#)
- [Product Specification PS-85780-001 \(PDF\)](#)
- [RoHS Certificate of Compliance \(PDF\)](#)

General

Product Family	Modular Jacks/Plugs
Series	85780
Component Type	Wire Jack
Magnetic	Yes
Overview	magnetic_modular_jacks
Performance Category	5e
Power over Ethernet (PoE)	Non-PoE
Product Name	HyperJack™

Physical

Boot Color	N/A
Color - Resin	Black
Durability (mating cycles max)	750
Inverted / Top Latch	N/A
Lightpipes/LEDs	LEDs
Material - Metal	Brass, Phosphor Bronze
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	CAT 5, CAT 6, Round

Electrical

Current - Maximum per Contact	1.5A
Grounding to Panel	N/A
Shielded	Yes
Voltage - Maximum	125V AC (RMS)

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
85780Series

Mates With
FCC 68 Jacks [85568](#) , [95043](#) , [90075](#)

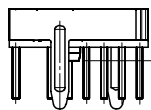
Material Info

Reference - Drawing Numbers

Packaging Specification	PK-85780-001
Product Specification	PS-85780-001
Sales Drawing	SD-85780-002

This document was generated on 05/28/2010

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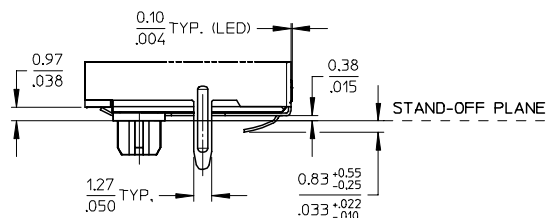
DETAIL2
SCALE 4:1

STAND-OFF PLANE

STAND-OFF PLANE
SEE NOTE 13

Detail2

Detail1



DETAIL1
SCALE 4:1

MATERIAL NUMBER	NUMBERS OF PORTS	DIM -C-	DIM -D-	SEE NOTE
85780-1005	6/6	4.0/0.157	3.8/0.150	11

NOTES:

- 1- SHIELD MATERIAL: BRASS, PLATING: NICKEL
- 2- HOUSING MATERIAL: THERMOPLASTIC UL 94-V0, COLOR BLACK
- 3- TERMINAL: PHOSPHOR BRONZE
PLATING:
POSTPLATE OR SPOTPLATE 0.00076 / .00003 MIN GOLD
OVER 0.00127 / .00005 MIN NICKEL IN CONTACT AREA
TIN DIP IN TAIL AREA, BOTH OVER
0.00127 / .000050 MIN NICKEL OVER ALL.

- 4- JACK TO BE MATCHED WITH F.C.C. 68.5 PLUGS (MOLEX-PLUGS: 85568.95043.90075-SERIES)
- 5- PRODUCT SPECIFICATION: PS-85780-001

- 6- PLEASE REQUEST MOLEX FOR A FRENCH INSTALLATION MANUAL IF DISTRIBUTED IN CANADA

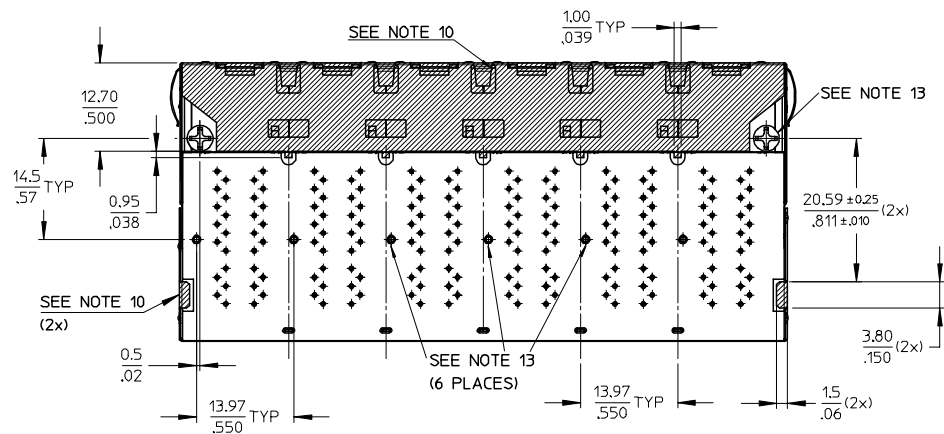
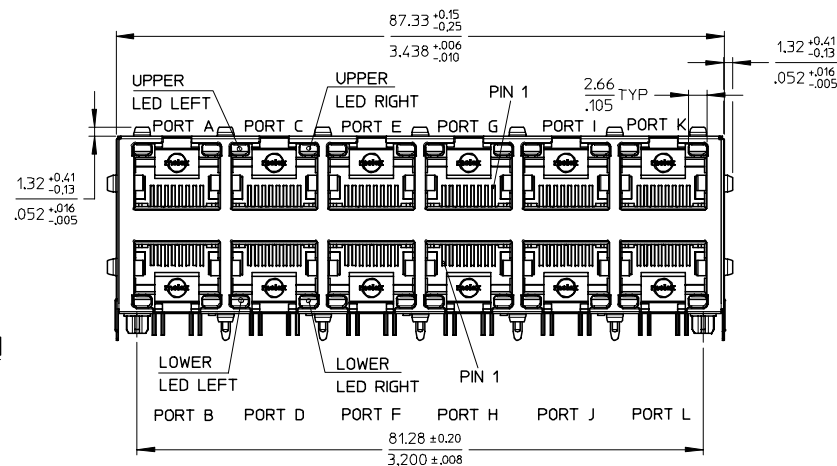
- 8- RECOMMENDED PCB LAYOUT AND PANEL CUT OUT SEE SHEET 2

- 10- NO TRACES WITHOUT INSULATION ALLOWED ON BOARD PCB IN THIS DASHED AREAS UNDER THE METAL SHIELD

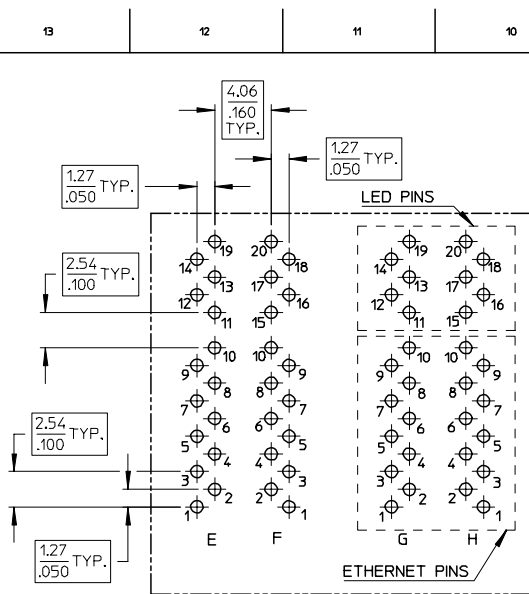
- 11- PIN LENGTH FOR RECOMMENDED PCB MAX. THICKNESS OF .140" REFER TO STANDARD IPC 610 REVISION C, CLASS 3

- 12- STAND-OFF PLANE TO CUSTOMER PCB

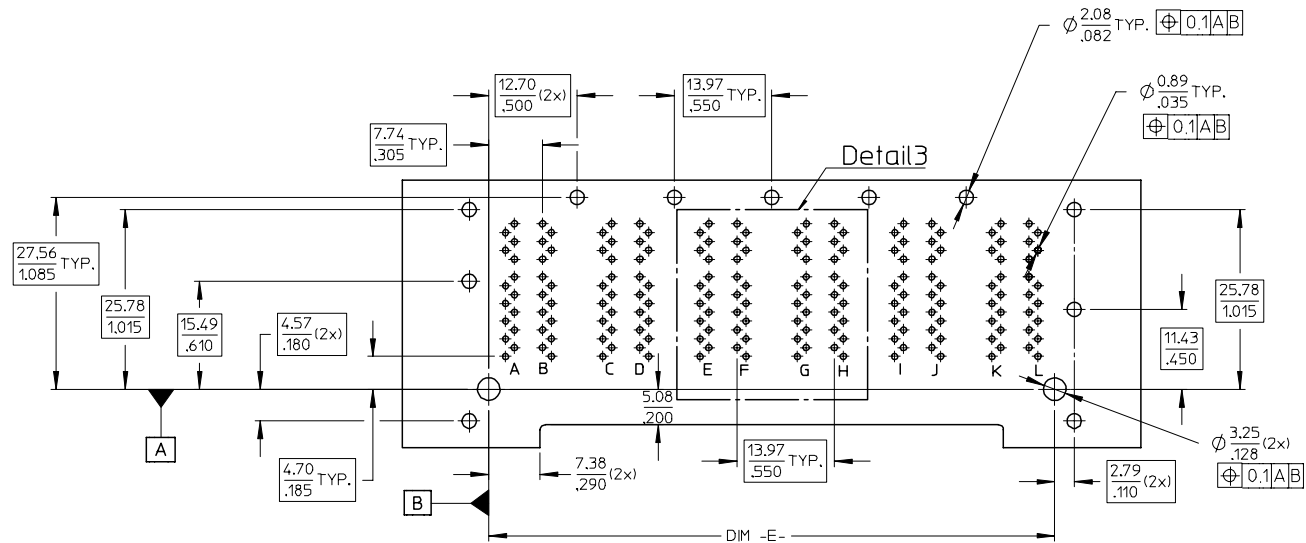
PATENTS PENDING



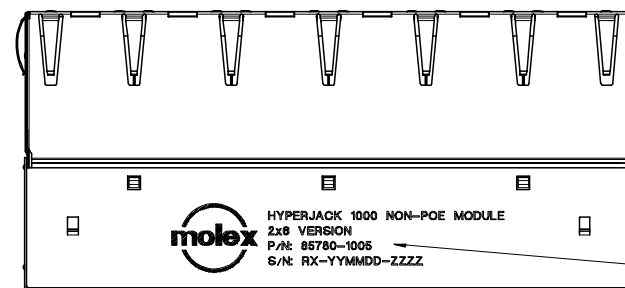
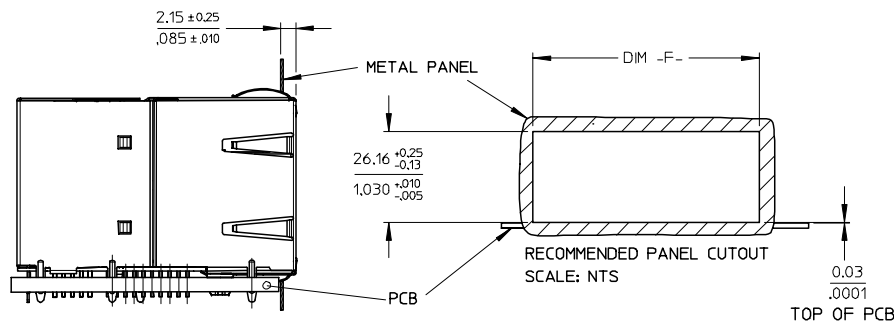
QUALITY SYMBOLS		GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE		DESIGN UNITS		THIRD ANGLE PROJECTION	
				MM/IN		2:1		METRIC			
▽=0		4 PLACES ± --- ± ---		mm		DRAWN BY		DATE		TITLE	
▽=0		3 PLACES ± --- ± .006		INCH		RSCHIEBER		2006/04/21		HJ1000 S&G WITH LED	
		2 PLACES ± 0.15 ± .01				CHECKED BY		DATE		NON POE BASED POE POP	
		1 PLACE ± 0.25 ± ---				MARLT		2006/04/21		SWAPPED PORTS	
		ANGULAR ± 5 °				APPROVED BY		DATE		MOLEX INCORPORATED	
						SFILIPON		2006/04/21			
						MATERIAL NO.		DOCUMENT NO.		SHEET NO.	
						85780-1005		SD-85780-002		1 OF 2	
						SIZE		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX			
						A2		INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			



Detail3 SCALE 4:1
PORTS E, F, G, H
(THE SAME FOR ALL VERSIONS)



SUGGESTED PCB BOARD LAYOUT 2x6 VERSION, COMPONENT SIDE VIEW



SEE NOTE 20

MATERIAL NUMBER	NUMBERS OF PORTS	DIM -E-	DIM -F-
85780-1005	6/6	81.28/3.2	88.01/3.465

NOTES:

20 - INSCRIPTION TO BE MARKED BY LASER PRINTER.

INSCRIPTION:

PART NAME

PART NUMBER

SERIES NUMBER -> CONNECTOR REVISION - DATE CODE (YEAR, MONTH, DAY) - CONSECUTIVE NUMBER

PATENTS PENDING

EC NO: MG2007-0068 2006/12/11 WNR/SCHIEBER 2006/12/12 CHKD/MARLT 2006/12/19 APPR/AVOST	QUALITY SYMBOLS ▽=0 ▽=0	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM/IN		SCALE 2:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION								
				mm	INCH	DRAWN BY RSCHIEBER	DATE 2006/04/21	TITLE HJ1000 S&G WITH LED NON POE BASED POE POP SWAPPED PORTS									
			4 PLACES	± ---	± ---	CHECKED BY	DATE										
			3 PLACES	± ---	± .006	MARLT	2006/04/21										
			2 PLACES	± 0.15	± .01	APPROVED BY	DATE										
			1 PLACE	± 0.25	± ---	SFILIPON	2006/04/21	MOLEX MOLEX INCORPORATED									
			ANGULAR ± 5 °					MATERIAL NO.		DOCUMENT NO.		SHEET NO.					
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS					SEE SHEET 1		SD-85780-002		2 OF 2					
								SIZE A					THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				