

**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** [0738090200](#)  
**Status:** **Active**  
**Overview:** [hdm](#)  
**Description:** 2.00mm (.079") Pitch HDM® Board-to-Board Midplane Header, Vertical, Press-Fit, Closed End, Guide Post No Location, No Polarization Key, 72 Circuits

**Documents:**

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

**Agency Certification**

CSA LR19980  
 UL E29179

**General**

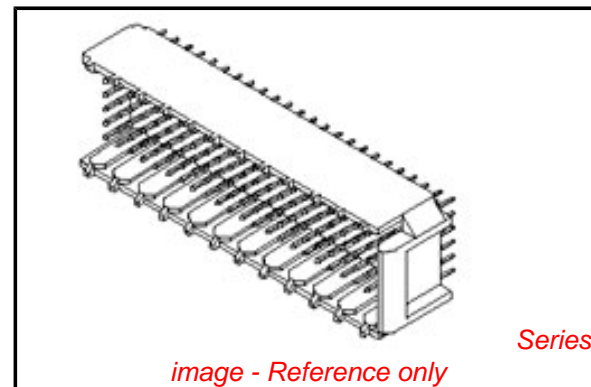
Product Family Backplane Connectors  
 Series [73809](#)  
 Application Midplane  
 Component Type Shroud Housing  
 Overview [hdm](#)  
 Product Name HDM®  
 Style N/A

**Physical**

Circuits (Loaded) N/A  
 Circuits (maximum) 72  
 Color - Resin Black  
 Durability (mating cycles max) 250  
 First Mate / Last Break No  
 Flammability 94V-0  
 Guide to Mating Part Yes  
 Keying to Mating Part Yes  
 Material - Resin High Temperature Thermoplastic  
 Number of Columns 12  
 Number of Pairs Open Pin Field  
 Number of Rows 6  
 Orientation Vertical  
 PC Tail Length (in) 0.000 In  
 PC Tail Length (mm) 0.00 mm  
 PCB Locator No  
 PCB Retention None  
 PCB Thickness Recommended (in) 0.098 In  
 PCB Thickness Recommended (mm) 2.50 mm  
 Packaging Type Tube  
 Pitch - Mating Interface (in) 0.079 In  
 Pitch - Mating Interface (mm) 2.00 mm  
 Pitch - Term. Interface (in) 0.079 In  
 Pitch - Term. Interface (mm) 2.00 mm  
 Polarized to PCB No  
 Stackable No  
 Surface Mount Compatible (SMC) Yes  
 Temperature Range - Operating -55°C to +105°C

**Electrical**

Current - Maximum per Contact 1A  
 Data Rate 1.0 Gbps  
 Real Signals (per 25mm) 75



*image - Reference only*

**EU RoHS** **China RoHS**

**Compliance Status**

**Not Reviewed**

**REACH SVHC**

**Not Reviewed**

**Halogen-Free**

**Status**

**Not Reviewed**

**Need more information on product environmental compliance?**

Email [productcompliance@molex.com](mailto: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**

[73809Series](#)

**Mates With**

[73632](#) HDM PLUS® Board-to-Board Daughtercard Receptacle. [73780](#) HDM® Board-to-Board Daughtercard Receptacle

Shielded  
Voltage - Maximum

No  
250V AC

**Material Info**

**Reference - Drawing Numbers**

Packaging Specification PK-70873-0818  
Sales Drawing SD-73809-001

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**NOTES:**

- HOUSING MATERIALS: LIQUID CRYSTAL POLYMER (LCP), GLASS-FILLED, UL94V-0, COLOR: BLACK.
- THIS PART CONFORMS TO MOLEX PRODUCT SPECIFICATION PS-73670-9999.
- SEE DRAWINGS SD-73800-001, SD-73801-001, AND SD-73802-001 FOR DIMENSIONAL INFORMATION.
- PARTS MARKED WITH PART NUMBER AND DATE CODE, ON EITHER SIDE, APPROXIMATELY WHERE SHOWN.
- PARTS PACKAGED PER PK-70873-0818.



|   |                                  |  |  |  |  |  |  |                           |                             |                     |
|---|----------------------------------|--|--|--|--|--|--|---------------------------|-----------------------------|---------------------|
| REVISED<br>EC NO: UCP2003-2260<br>DRWN: THOMAS 03/04/25<br>CHK: BINGHAM 03/04/25<br>APPR: REED 03/04/25 | DESCRIPTION<br>MAJOR<br>CRITICAL | GENERAL TOLERANCES: (UNLESS SPECIFIED) |  | SCALE<br>2 : 1                                       | DESIGN UNITS<br><input checked="" type="checkbox"/> mm <input type="checkbox"/> INCH | THIRD ANGLE PROJECTION   | DIMENSIONS:<br><input type="checkbox"/> mm <input type="checkbox"/> INCH <input checked="" type="checkbox"/> mm ONLY |                           | SHT<br>2                    | REV<br>B            |
|   |                                  | 4 PLACES ±0.     ±.                    |  | DRAWN BY & DATE<br>JBINGHAM 97/06/19                 |  | TITLE: SALES ASSEMBLY, HDM<br>DOUBLE-END MIDPLANE, 72 POS.<br>SLIDE-ON HOUSING   |  |                           |                             |                     |
|   |                                  | 3 PLACES ±0.     ±.                    |  | CHECKED BY & DATE<br>SREED 97/06/19                  |  | MOLEX INCORPORATED   |  |                           |                             |                     |
|   |                                  | 2 PLACES ±0.05     ±.                  |  | APPROVED BY & DATE<br>CBIXLER 97/06/19               |  | CAD FILENAME<br>S73809X1.DGN   |  | MATERIAL NO.<br>SEE CHART | DRAWING NO.<br>SD-73809-001 | SHEET NO.<br>1 OF 2 |
| 1 PLACE ±0.15     ±.  |                                  | ANGLULAR: ± 1/2°                       |  | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS |  | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION. |  |                           |                             |                     |

# MATERIAL NUMBER ASSIGNMENT

73809- \* \* \* \*

0 = 72-CIRCUIT  
 0 = OPEN END VERSION  
 1 = CLOSED END VERSION  
 2 = POLAR/GUIDE VERSION

73800-0X00,  
 73801-0X00,  
 OR 73802-0XXX  
 MIDPLANE MODULE



±0.45  
 3.95

73809-02XX  
 POLAR/GUIDE HOUSING

SEE NOTE 5

| NUMBER | GUIDE POST LOCATION | POLAR KEY POSITION |
|--------|---------------------|--------------------|
| 00     | N/A                 | N/A                |
| 01     | B                   | A                  |
| 02     | A                   | A                  |
| 03     | B                   | B                  |
| 04     | A                   | B                  |
| 05     | B                   | C                  |
| 06     | A                   | C                  |
| 07     | B                   | D                  |
| 08     | A                   | D                  |
| 09     | B                   | E                  |
| 10     | A                   | E                  |
| 11     | B                   | F                  |
| 12     | A                   | F                  |
| 13     | B                   | G                  |
| 14     | A                   | G                  |
| 15     | B                   | H                  |
| 16     | A                   | H                  |
| 17     | B                   | N/A                |
| 18     | A                   | N/A                |

SLIDE HOUSING OVER  
 TAILS OF MIDPLANE MODULE

SEE SHEET 1  
 EC NO. UDT2000-0443  
 DRWN: JBINGHAM 99/11/04  
 CHK: SREED 99/11/04  
 APPR: CBIXLER 99/11/04

MAJOR  
 CRITICAL

REV DESCRIPTION

QUALITY SYMBOLS

GENERAL TOLERANCES:  
 (UNLESS SPECIFIED)

|          | mm    | INCH |
|----------|-------|------|
| 4 PLACES | ±0.   | ±.   |
| 3 PLACES | ±0.   | ±.   |
| 2 PLACES | ±0.05 | ±.   |
| 1 PLACE  | ±0.10 | ±.   |

ANGULAR: ± 1/2°

DRAFT WHERE APPLICABLE MUST  
 REMAIN WITHIN DIMENSIONS

SCALE 2 : 1

DESIGN UNITS  
 mm  INCH

THIRD ANGLE PROJECTION

DRAWN BY & DATE  
 JBINGHAM 97/06/19

CHECKED BY & DATE  
 SREED 97/06/19

APPROVED BY & DATE  
 CBIXLER 97/06/19

CAD FILENAME  
 S73809X2.DGN

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX  
 INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.

DIMENSIONS:  
 mm  INCH  mm ONLY

SHT REV  
 REVISION ON  
 CAD ONLY

TITLE: SALES ASSEMBLY, HDM  
 DOUBLE-END MIDPLANE, 72 POS.  
 SLIDE-ON HOUSING

MOLEX INCORPORATED

MATERIAL NO. SEE CHART  
 DRAWING NO. SD-73809-001  
 SHEET NO. 2  
 SIZE B