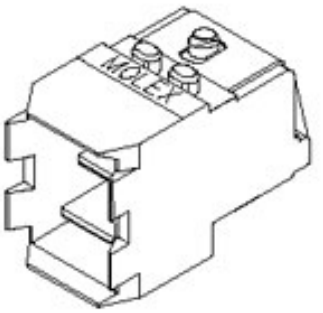
This document was generated on 05/14/2010

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

**Part Number:** 0736510233
**Status:** Active
**Overview:** hdm
**Description:** 2.00mm (.079") Pitch HDM® Board-to-Board Daughterboard Power Module, Right Angle, SMC, 3-Blade Module, 3 Circuits



*Series image - Reference only*

**Documents:**

- 3D Model
- Drawing (PDF)
- Packaging Specification (PDF)
- RoHS Certificate of Compliance (PDF)

## Agency Certification

| | |
|---|---|
| CSA | LR19980 |
| UL | E29179 |

## General

| | |
|---|---|
| Product Family | Backplane Connectors |
| Series | 73651 |
| Application | Daughtercard |
| Component Type | Power Receptacle |
| Overview | hdm |
| Product Name | HDM® |
| Style | N/A |

## Physical

| | |
|---|---|
| Circuits (Loaded) | 3 |
| Circuits (maximum) | 3 |
| Color - Resin | Black |
| Durability (mating cycles max) | 250 |
| First Mate / Last Break | No |
| Flammability | 94V-0 |
| Guide to Mating Part | No |
| Keying to Mating Part | None |
| Material - Metal | High Performance Alloy (HPA) |
| Material - Plating Mating | Gold |
| Material - Plating Termination | Tin |
| Material - Resin | High Temperature Thermoplastic |
| Number of Columns | 1 |
| Number of Pairs | Open Pin Field |
| Number of Rows | 3 |
| Orientation | Right Angle |
| PC Tail Length (in) | 0.079 In |
| PC Tail Length (mm) | 2.00 mm |
| PCB Locator | Yes |
| PCB Retention | None |
| PCB Thickness Recommended (in) | 0.062 In |
| PCB Thickness Recommended (mm) | 1.60 mm |
| Packaging Type | Tube |
| Pitch - Mating Interface (in) | 0.157 In |
| Pitch - Mating Interface (mm) | 4.00 mm |
| Pitch - Term. Interface (in) | 0.118 In |
| Pitch - Term. Interface (mm) | 3.00 mm |
| Plating min: Mating (µin) | 30 |
| Plating min: Mating (µm) | 0.75 |
| Plating min: Termination (µin) | 100 |
| Plating min: Termination (µm) | 2.5 |
| Polarized to PCB | No |

**EU RoHS**
ELV and RoHS Compliant
**REACH SVHC**
Contains SVHC: No
**Halogen-Free Status**
Halogen-Free

**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**
73651Series

**Mates With**
73656 HDM® Board-to-Board Backplane Power Module

| | |
|---|---|
| Stackable | No |
| Surface Mount Compatible (SMC) | No |
| Temperature Range - Operating | -55°C to +105°C |
| Termination Interface: Style | Through Hole |

## Electrical

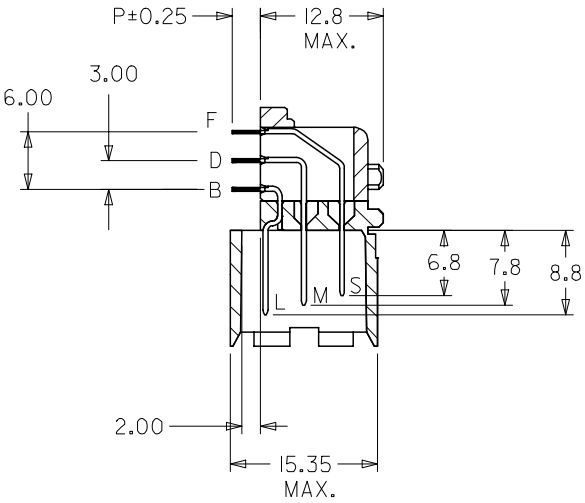
| | |
|---|---|
| Current - Maximum per Contact | 15A |
| Data Rate | 1.0 Gbps |
| Real Signals (per 25mm) | 19 |
| Shielded | No |
| Voltage - Maximum | 500V |

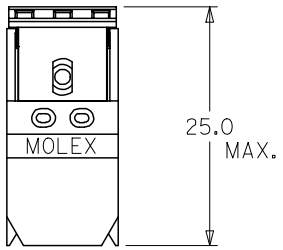
## Material Info

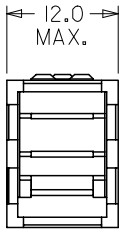
## Reference - Drawing Numbers

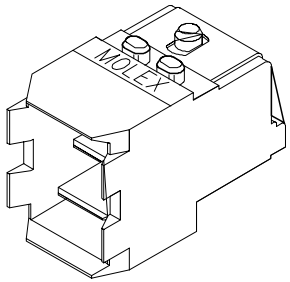
| | |
|---|---|
| Packaging Specification | PK-70873-0820 |
| Sales Drawing | SDA-73651-**** |

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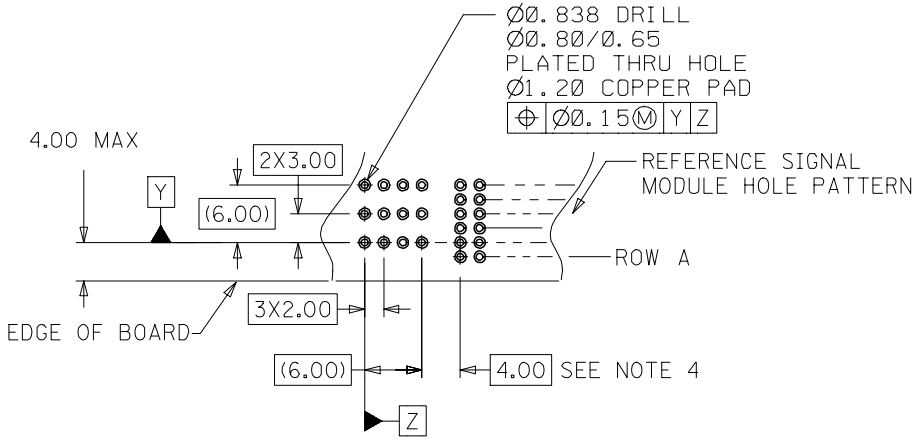



NOTES:
1. MATERIALS:
   HOUSING - LIQUID CRYSTAL POLYMER (LCP), GLASS-FILLED, UL 94V-0, COLOR BLACK
   TERMINAL - COPPER ALLOY
2. FINISH:
   ASSEMBLIES WITH PRESSFIT TAILS:
   0.76 MINIMUM SELECTIVE GOLD (Au) IN CONTACT AREA,
   SELECTIVE TIN/LEAD (Sn/Pb) ON PC TAILS
   OVER NICKEL (Ni) UNDERPLATE OVERALL.
   ASSEMBLIES WITH SOLDERTAILS:
   0.76 MINIMUM SELECTIVE GOLD (Au) IN CONTACT AREA,
   SELECTIVE TIN (Sn) ON PC TAILS
   OVER NICKEL (Ni) UNDERPLATE OVERALL.
3. THIS PART CONFROMS TO MOLEX PRODUCT SPECIFICATION PS-73670-9999.
4. THIS DIMENSION MUST BE A MULTIPLE OF 4.00mm.
5. DIMENSIONS ARE IN MILLIMETERS AND ARE FOR LAYOUT PUPOSES ONLY.
6. DIMENSIONS AND TOLERANCES SUBJECT TO CHANGE WITHOUT NOTICE.




PCB LAYOUT: COMPONENT SIDE
RECOMMENDED PCB THICKNESS: 1.60 MIN
(FOR SOLDER TAIL AND PRESS FIT)

MODIFY FINISH
EC NO: UCP2007-1348 2006/12/29
DRWN:MSIBARRA 2007/01/04
CH'KD:BBARKER 2007/01/05
APPR:SMILLER
DESCRIPTION
REV

QUALITY SYMBOLS
▼=0
▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

| | mm | INCH |
|---|---|---|
| 4 PLACES | ± --- | ± --- |
| 3 PLACES | ± --- | ± --- |
| 2 PLACES | ± 0.10 | ± --- |
| 1 PLACE | ± 0.25 | ± --- |
| ANGULAR ±1/2° | | |

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY
SCALE: 2:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

| | | |
|---|---|---|
| DRAWN BY | JRP | DATE 199/07/22 |
| CHECKED BY | PAR | DATE 1996/07/22 |
| APPROVED BY | CAB | DATE 1996/07/22 |

TITLE: SALES ASSEMBLY HDM DAUGHTERCARD POWER MODULE

MOLEX INCORPORATED

MATERIAL NO.: SEE SHEET 2
DOCUMENT NO.: SDA-73651-****
SHEET NO.: 1 OF 2

SIZE B

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

## MATERIAL NUMBER ASSIGNMENT

TAIL TYPE
0 = SOLDER
1 = PRESS FIT

73651- * * * *

PC TAIL LENGTH

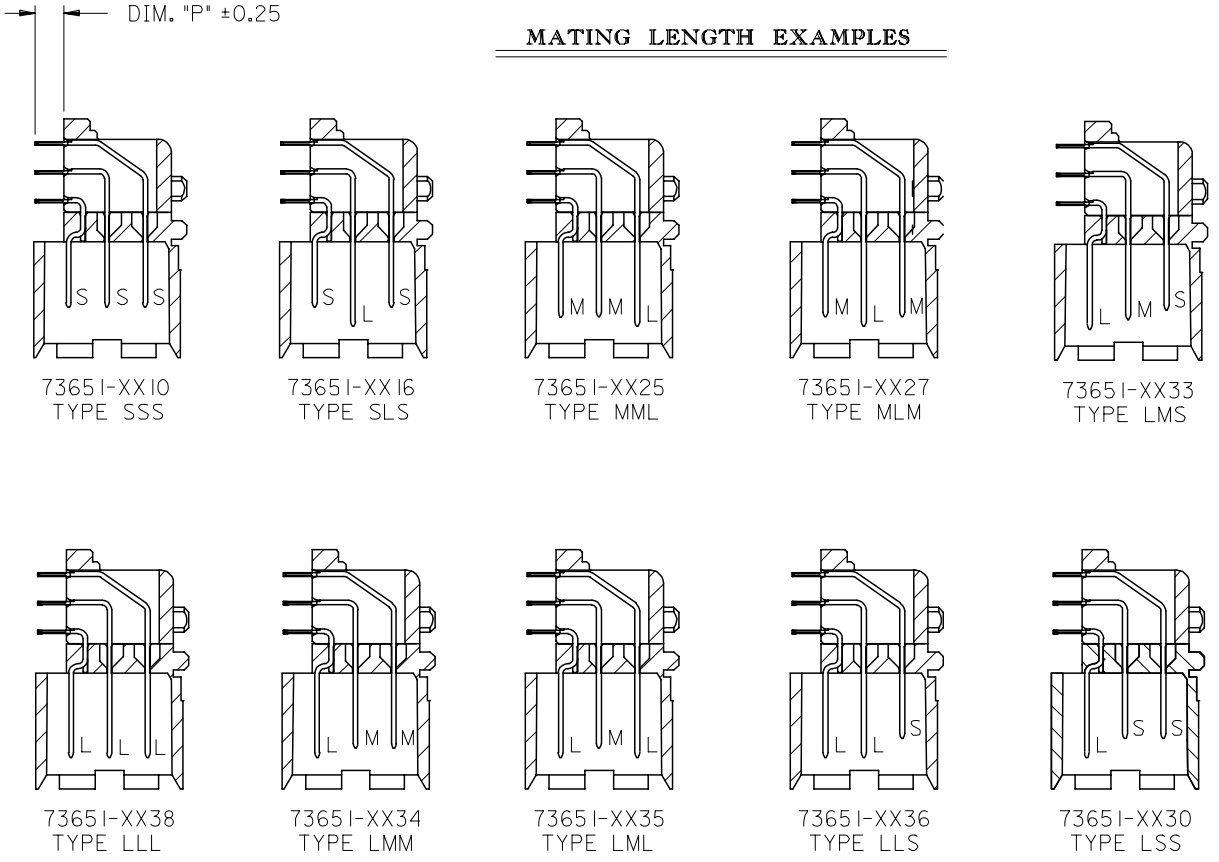
| CODE | DIM "P" |
|---|---|
| 0 | 2.00 |
| 1 | 2.50 |
| 2 | 3.00 |
| 3 | 3.50 |
| 4 | 4.00 |
| 5 | 2.75 |

PRESSFIT TAILS AVAILABLE IN THESE LENGTHS ONLY

MATING LENGTH

| | | |
|---|---|---|
| 10 = SSS | 20 = MSS | 30 = LSS |
| 11 = SSM | 21 = MSM | 31 = LSM |
| 12 = SSL | 22 = MSL | 32 = LSL |
| 13 = SMS | 23 = MMS | 33 = LMS |
| 14 = SMM | 24 = MMM | 34 = LMM |
| 15 = SML | 25 = MML | 35 = LML |
| 16 = SLS | 26 = MLS | 36 = LLS |
| 17 = SLM | 27 = MLM | 37 = LLM |
| 18 = SLL | 28 = MLL | 38 = LLL |

## MATING LENGTH EXAMPLES




73651-XX10 TYPE SSS
73651-XX16 TYPE SLS
73651-XX25 TYPE MML
73651-XX27 TYPE MLM
73651-XX33 TYPE LMS
73651-XX38 TYPE LLL
73651-XX34 TYPE LMM
73651-XX35 TYPE LML
73651-XX36 TYPE LLS
73651-XX30 TYPE LSS

UPDATE BORDER
EC NO: UCP2007-1348 2006/12/29
DRWN:MSIBARRA 2007/01/04
CH'KD:BBARKER 2007/01/05
APPR:SMILLER
DESCRIPTION
REV

QUALITY SYMBOLS
▼=0
▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

| | mm | INCH |
|---|---|---|
| 4 PLACES | ± --- | ± --- |
| 3 PLACES | ± --- | ± --- |
| 2 PLACES | ± 0.10 | ± --- |
| 1 PLACE | ± 0.25 | ± --- |
| ANGULAR ±1/2° | | |

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY
SCALE: 2:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

| | | |
|---|---|---|
| DRAWN BY | JRP | DATE 199/07/22 |
| CHECKED BY | PAR | DATE 1996/07/22 |
| APPROVED BY | CAB | DATE 1996/07/22 |

TITLE: SALES ASSEMBLY HDM DAUGHTERCARD POWER MODULE

MOLEX INCORPORATED

MATERIAL NO.: SEE CHART
DOCUMENT NO.: SDA-73651-****
SHEET NO.: 2 OF 2
SIZE: B

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

## MATERIAL NUMBER ASSIGNMENT

TAIL TYPE
0 = SOLDER
1 = PRESS FIT

73651- * * * *

PC TAIL LENGTH

| CODE | DIM "P" |
|---|---|
| 0 | = 2.00 |
| 1 | = 2.50 |
| 2 | = 3.00 |
| 3 | = 3.50 |
| 4 | = 4.00 |
| 5 | = 2.75 |

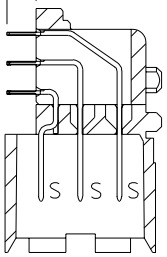
PRESSFIT TAILS AVAILABLE IN THESE LENGTHS ONLY

MATING LENGTH

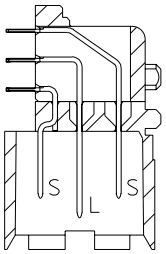
| | | |
|---|---|---|
| 10 = SSS | 20 = MSS | 30 = LSS |
| 11 = SSM | 21 = MSM | 31 = LSM |
| 12 = SSL | 22 = MSL | 32 = LSL |
| 13 = SMS | 23 = MMS | 33 = LMS |
| 14 = SMM | 24 = MMM | 34 = LMM |
| 15 = SML | 25 = MML | 35 = LML |
| 16 = SLS | 26 = MLS | 36 = LLS |
| 17 = SLM | 27 = MLM | 37 = LLM |
| 18 = SLL | 28 = MLL | 38 = LLL |

DIM. "P" ±0.25

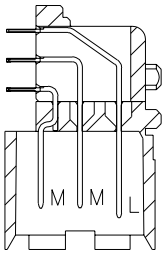
## MATING LENGTH EXAMPLES



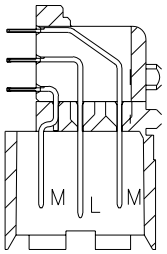
73651-XX10
TYPE SSS



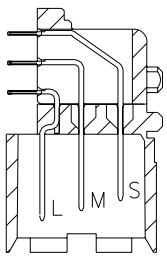
73651-XX16
TYPE SLS



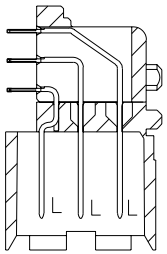
73651-XX25
TYPE MML



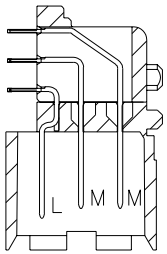
73651-XX27
TYPE MLM



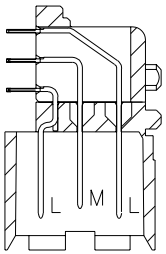
73651-XX33
TYPE LMS



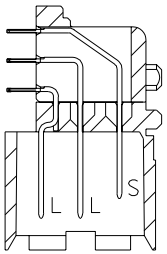
73651-XX38
TYPE LLL



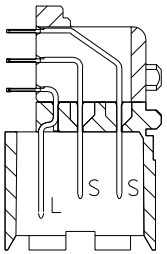
73651-XX34
TYPE LMM



73651-XX35
TYPE LML



73651-XX36
TYPE LLS



73651-XX30
TYPE LSS

| LTR. | REVISIONS | LTR. | REVISIONS |
|---|---|---|---|
| | | E | SEE SHEET 1 |
| | | D | SEE SHEET 1 |
| | | C | SEE SHEET 1 |
| | | B | SEE SHEET 1 |
| | | A | SEE SHEET 1 |

DIMENSIONS SHOWN (METRIC) INCH
UNLESS OTHERWISE SPECIFIED TOLERANCES: ANGULAR ± 1/2°

| | INCH | METRIC |
|---|---|---|
| 3 PLACE | ± N/A | --- |
| 2 PLACE | ± N/A | ± --- |
| 1 PLACE | --- | ± --- |

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

| | | | |
|---|---|---|---|
| DRWG. BY | JRR | CHK'D. BY | SMR |
| APP'D. BY | CAB | SCALE | 2 = 1 |

C = 0 ▼ = 0 REVISE ONLY ON CAD SYSTEM

TITLE
SALES ASSY, HDM DAUGHTER CARD POWER MODULE

MOLEX INCORPORATED
LISLE,ILL. 60532 U.S.A.

SHEET NO. 2
DATE 96/07/22

PART NO. SEE CHART
DRWG. NO. SDA-73651-****

FILE NAME S7365IX2 DGN

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DIV. DA
SIZE B

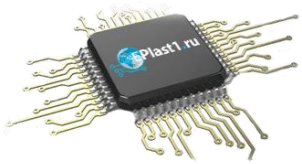
Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

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.