

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0736430100

Status:

Active

Overview:

[hdm](#)

Description:

2.00mm (.079") Pitch HDM® Board-to-Board Backplane Header, Vertical, Press-Fit, End Wall Option, 72 Circuits

Documents:

[Drawing \(PDF\)](#)

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

Agency Certification

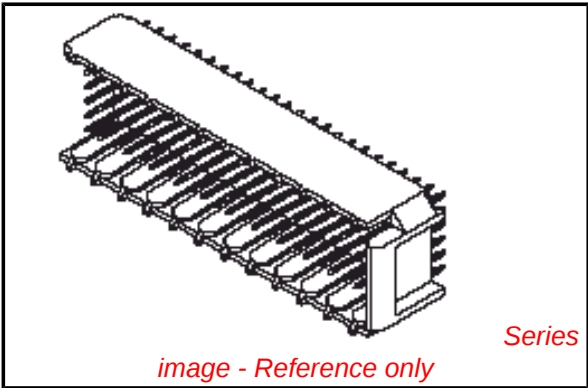
CSA	LR19980
UL	E29179

General

Product Family	Backplane Connectors
Series	73643
Application	Backplane
Comments	Standard Press-Fit
Component Type	PCB Header
Overview	hdm
Product Name	HDM®
Style	N/A

Physical

Circuits (Loaded)	72
Circuits (maximum)	72
Color - Resin	Black, Natural
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	Phosphor Bronze
Material - Plating Mating	Gold
Material - Plating Termination	Gold
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)	0.138 In
PC Tail Length (mm)	3.50 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
Plating min: Mating (µin)	30
Plating min: Mating (µm)	0.75
Plating min: Termination (µin)	2
Plating min: Termination (µm)	0.05
Polarized to PCB	No



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

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

[73643Series](#)

Mates With

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

Application Tooling | FAQ

Tooling specifications and manuals are found by selecting the products below. Crimp Height Specifications are then contained in the Application Tooling Specification document.

Global

Description	Product #
Flat Rock Tooling for	0622013700
Pneumatic Press	
HDM® Backplane	0621001400
Insertion Signal	
Contact Tool	
Extraction Tool	0621001000

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

Electrical

Current - Maximum per Contact	1A
Data Rate	1.0 Gbps
Real Signals (per 25mm)	75
Shielded	No
Voltage - Maximum	250V AC

Material Info

Reference - Drawing Numbers

Packaging Specification	PK-70873-0818
Sales Drawing	SDA-73643-****

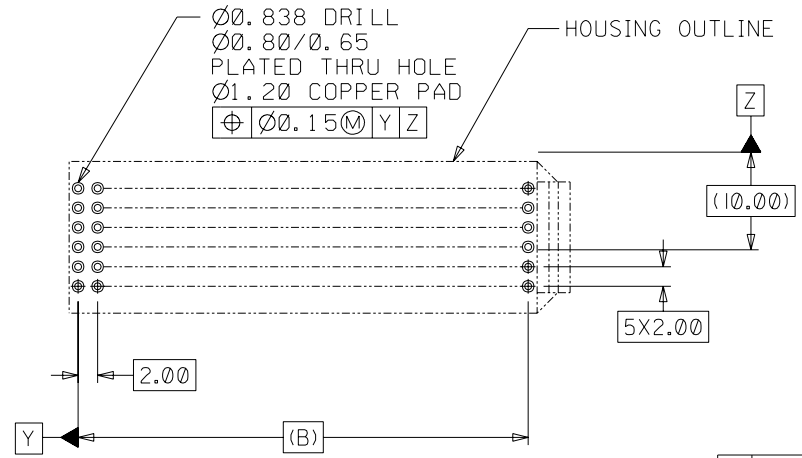
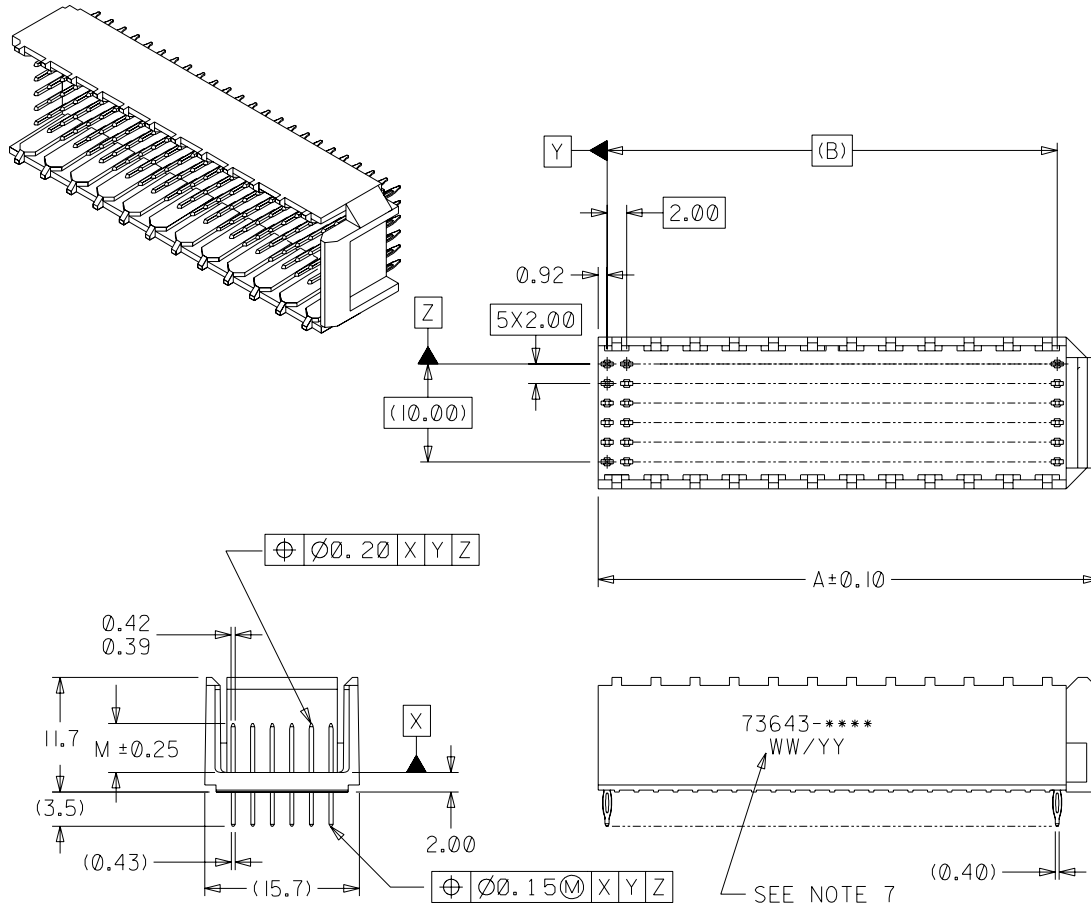
HDM and High Density Metric are trademarks of Amphenol Corporation

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NOTES:

1. MATERIALS: HOUSING - LIQUID CRYSTAL POLYMER (LCP), GLASS-FILLED, UL94V-0, COLOR: BLACK,
TERMINAL - PHOSPHOR BRONZE.
2. FINISHES: SELECTIVE GOLD (Au) IN CONTACT AREA, 0.00076mm MINIMUM THICKNESS; NICKEL (Ni) AND GOLD FLASH OVERALL SELECTIVE GOLD (Au) IN CONTACT AREA, 0.00076mm MINIMUM THICKNESS; SELECTIVE TIN/LEAD (Sn/Pb) IN TAIL AREA; NICKEL (Ni) OVERALL.
3. THIS PART CONFORMS TO MOLEX PRODUCT SPECIFICATION PS-73670-9999.
4. FOR MIXED CONTACT MATING LENGTHS, CONSULT FACTORY FOR AVAILABILITY.
5. DIMENSIONS ARE IN MILLIMETERS.
6. PACKAGE PER PK-70873-0818.
7. PARTS MARKED WITH PART NUMBER AND DATE CODE, ON EITHER SIDE, APPROXIMATELY WHERE SHOWN.



PCB LAYOUT: COMPONENT SIDE
RECOMMENDED PCB THICKNESS: 2.50 MIN

2	C
I	I
SH	REV

I	REVISED ECR UCP2003-2260 THOMAS 03/04/25	F	REVISED ECR UDT1999-0476 BINGHAM 98/12/21	C	REVISED PER ECR #U81357 BINGHAM 97/12/15
H	REVISED ECR UDT2000-0348 BINGHAM 99/10/12	E	REVISED ECR UDT1999-0243 BINGHAM 98/09/29	B	REVISED PER ECR #U70950 BINGHAM 97/02/14
G	REVISED ECR UDT1999-0662 BINGHAM 99/05/18	D	REVISED ECR UDT1998-0240 BINGHAM 98/05/06	A	RELEASED FOR PROD. PER ECR # U70371 BINGHAM 96/12/18
LTR.	REVISIONS	LTR.	REVISIONS	LTR.	REVISIONS

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

 = 0		 = 0		REVISE ONLY ON CAD SYSTEM	
TITLE					
SALES ASSY, HDM BACKPLANE MODULE, END WALL OPTION					
 MOLEX INCORPORATED		SHEET NO.		DATE	
LITSE,ILL. 60532 U.S.A.		1 OF 2		96/12/18	
PART NO.		DRWG. NO.			
SEE SHEET 2		SDA-73643-****			
FILE NAME S73643X1		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.			DIV.
			DA		SIZE B

	10	9	8	7	6	5	4	3	2	1
F										
E										
D										
C										
B										
A										

MATERIAL NUMBER	NUMBER OF SIGNAL CONTACTS	PLATING	DIM "A"	DIM "B"	DIM "M"
73643-0000	72	SELECTIVE GOLD/GOLD FLASH	27.60	22.00	5.00
73643-0100	72	SELECTIVE GOLD/GOLD FLASH	27.60	22.00	5.50
73643-0200	72	SELECTIVE GOLD/GOLD FLASH	27.60	22.00	6.00
73643-1000	144	SELECTIVE GOLD/GOLD FLASH	51.60	46.00	5.00
73643-1100	144	SELECTIVE GOLD/GOLD FLASH	51.60	46.00	5.50
73643-1200	144	SELECTIVE GOLD/GOLD FLASH	51.60	46.00	6.00
73643-2000	72	SELECTIVE GOLD/SELECTIVE TIN-LEAD	27.60	22.00	5.00
73643-2100	72	SELECTIVE GOLD/SELECTIVE TIN-LEAD	27.60	22.00	5.50
73643-2200	72	SELECTIVE GOLD/SELECTIVE TIN-LEAD	27.60	22.00	6.00
73643-3000	144	SELECTIVE GOLD/SELECTIVE TIN-LEAD	51.60	46.00	5.00
73643-3100	144	SELECTIVE GOLD/SELECTIVE TIN-LEAD	51.60	46.00	5.50
73643-3200	144	SELECTIVE GOLD/SELECTIVE TIN-LEAD	51.60	46.00	6.00

		C	SEE SHEET I
LTR.	REVISIONS	LTR.	REVISIONS

DIMENSIONS SHOWN (METRIC) INCH			
UNLESS OTHERWISE SPECIFIED TOLERANCES: ANGULAR ± 1/2°			
		INCH	METRIC
3 PLACE	±	N/A	---
2 PLACE	±	N/A	± 0.05
1 PLACE	---	±	0.10
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			
DRWG. BY	JRR	CHK'D. BY	SMR
APP'D. BY	CAB	SCALE	NO*NE

= 0 = 0		REVISE ONLY ON CAD SYSTEM	
TITLE		SALES ASSY, HDM BACKPLANE MODULE, END WALL OPTION	
molex MOLEX INCORPORATED LISLE,ILL. 60532 U.S.A.		SHEET NO. 2	DATE 97/12/15
PART NO.		DRWG. NO.	
SEE CHART		SDA-73643-*****	
FILE NAME S73643X2 DGN		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.	
		DIV. DA	SIZE B



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Электрон
Связь**

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С нами вы становитесь еще успешнее!

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