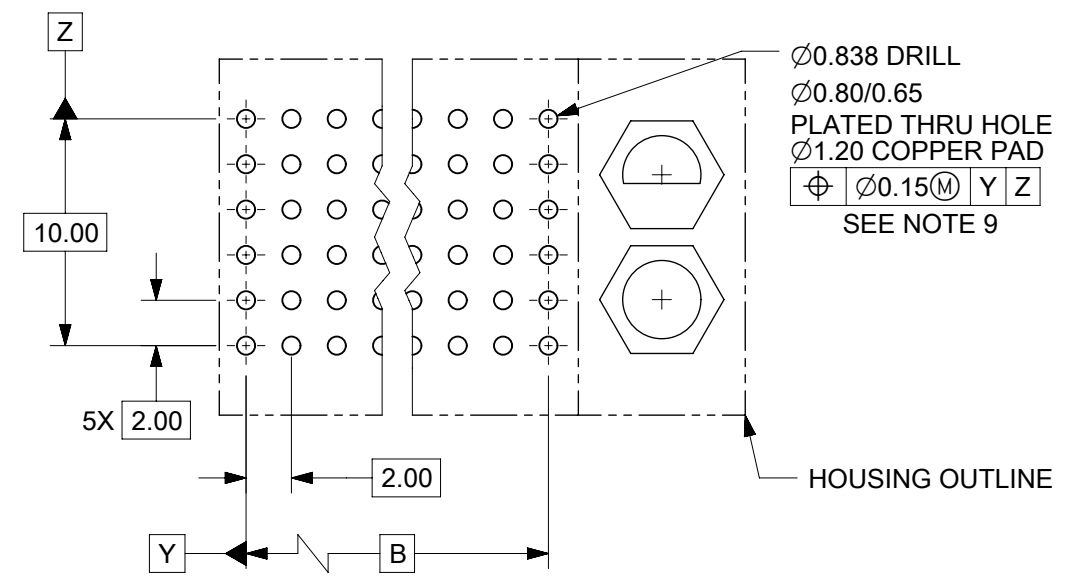


NOTES:

1. MATERIALS : HOUSING - LIQUID CRYSTAL POLYMER (LCP)  
GLASS-FILLED, UL 94V-0, COLOR: BLACK  
TERMINAL - PHOSPHOR BRONZE.
2. FINISH: SELECTIVE GOLD (Au) IN CONTACT AREA, 0.76 MICROMETERS MINIMUM THICKNESS,  
NICKEL (Ni) AND GOLD FLASH OVERALL.  
SELECTIVE GOLD (Au) IN CONTACT AREA, 0.76 MICROMETERS MINIMUM THICKNESS,  
SELECTIVE MATTE TIN (Sn) ON 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. FOR SPECIFIC MATERIAL NUMBERS, SEE SHEET 2.
7. PACKAGE PER PK-70873-0818.
8. PARTS MARKED WITH PART NUMBER AND DATE CODE ON EITHER SIDE,  
APPROXIMATELY WHERE SHOWN.
9. POSITION TOLERANCE ARE INSPECTED BY GAUGE 737270006 OR 737270011.



PCB LAYOUT : COMPONENT SIDE  
RECOMMENDED PCB THICKNESS: 2.50 MIN.

DOCUMENT STATUS	P1	RELEASE DATE	2022/09/13	08:27:36
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FUNCTIONAL SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		<p style="text-align: center;"><b>molex</b></p> <p style="text-align: center;">SALES ASSEMBLY, HDM BACKPLANE MODULE POLAR/GUIDE OPTION</p>						
	DIMENSION UNITS	SCALE							
$\nabla_A = 0$ $\nabla_B = 0$ $\nabla_C = 0$	mm	2:1	CURRENT REV DESC: SEE REVISION TABLE ON SHEET 3			DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
GENERAL TOLERANCES (UNLESS SPECIFIED)		ANGULAR TOL ± 0.5°		EC NO: 719835		SDA-73644-XXXX			
DIVISIONAL SYMBOLS		4 PLACES ±		DRWN: KRISHH1		PSD			
		3 PLACES ±		2022/05/16		001			
		2 PLACES ± 0.05		CHKD: JKACHLIC		L			
		1 PLACE ± 0.1		APPR: JKACHLIC		1 OF 3			
		0 PLACES ±		INITIAL REVISION:					
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		DRWN: RFC_PLMIMP					
		THIRD ANGLE PROJECTION		APPR: SREED					
		DRAWING		SERIES					
		B-SIZE		73644					

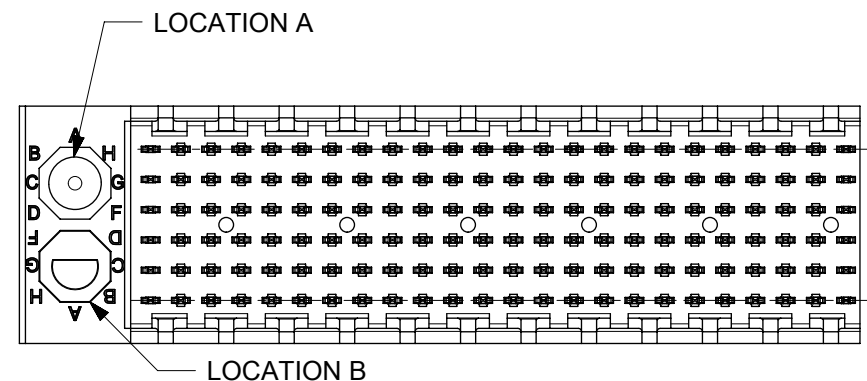
MATERIAL NUMBER	NUMBER OF SIGNAL CONTACTS	PLATING	DIM "A"	DIM "B"	DIM "M"
73644-00**	72	SELECTIVE GOLD/GOLD FLASH	31.60	22.00	5.00
73644-01**	72	SELECTIVE GOLD/GOLD FLASH	31.60	22.00	5.50
73644-02**	72	SELECTIVE GOLD/GOLD FLASH	31.60	22.00	6.00
73644-10**	144	SELECTIVE GOLD/GOLD FLASH	55.60	46.00	5.00
73644-11**	144	SELECTIVE GOLD/GOLD FLASH	55.60	46.00	5.50
73644-12**	144	SELECTIVE GOLD/GOLD FLASH	55.60	46.00	6.00
73644-20**	72	SELECTIVE GOLD/SELECTIVE MATTE TIN	31.60	22.00	5.00
73644-21**	72	SELECTIVE GOLD/SELECTIVE MATTE TIN	31.60	22.00	5.50
73644-22**	72	SELECTIVE GOLD/SELECTIVE MATTE TIN	31.60	22.00	6.00
73644-30**	144	SELECTIVE GOLD/SELECTIVE MATTE TIN	55.60	46.00	5.00
73644-31**	144	SELECTIVE GOLD/SELECTIVE MATTE TIN	55.60	46.00	5.50
73644-32**	144	SELECTIVE GOLD/SELECTIVE MATTE TIN	55.60	46.00	6.00

# MATERIAL NUMBER ASSIGNMENT

73644 - \* \* \* \*

- CIRCUIT SIZE**
- 0= 72 CIRCUIT, GOLD/GOLD FLASH
  - 1= 144 CIRCUIT, GOLD/GOLD FLASH
  - 2= 72 CIRCUIT, GOLD/MATTE TIN
  - 3= 144 CIRCUIT, GOLD/MATTE TIN
  - \* FORMERLY TIN/ LEAD
- MATING LENGTH**
- 0= 5.00 MATING LENGTH
  - 1= 5.50 MATING LENGTH
  - 2= 6.00 MATING LENGTH

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



REF. MATERIAL NUMBER 73644-0009  
GUIDE PIN IS IN LOCATION A  
POLARIZING KEY IS IN LOCATION B, POSITION E



REF. MATERIAL NUMBER 73644-0008  
GUIDE PIN IS IN LOCATION B  
POLARIZING KEY IS IN LOCATION A, POSITION E

FUNCTIONAL SYMBOLS										THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																			
DIMENSION UNITS					SCALE					CURRENT REV DESC: SEE REVISION TABLE ON SHEET 3																			
mm					2:1					EC NO: 719835 DRWN: KRISHH1 CHKD: JKACHLIC APPR: JKACHLIC INITIAL REVISION: DRWN: RFC_PLMIMP APPR: SREED																			
GENERAL TOLERANCES (UNLESS SPECIFIED)																				2022/05/16									
ANGULAR TOL ± 0.5°																				2022/09/13									
4 PLACES ±																				2022/09/13									
DIVISIONAL SYMBOLS					3 PLACES ±					2018/11/28																			
					2 PLACES ± 0.05					2003/05/15																			
					1 PLACE ± 0.1					SDA-73644-XXXX																			
					0 PLACES ±					PSD 001 L																			
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS										THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER									
										B-SIZE		73644		SEE TABLE		GENERAL MARKET		2 OF 3											

F

F

E

E

D

D

C

C









B

B

A

A

DATE	REV	DESCRIPTION
05/19/2022	L	1. DRAWING MIGRATION. 2. SHEET 1: E07: DIMENSION 0.92 REMOVED BECAUSE DIM 'A' AND DIM 'B' ARE WITH SAME CENTER LINE, SO DIM 0.92 IS NOT REQUIRED. 3. SHEET 1: C09: DIM 0.42 CHANGED TO 0.40±0.03MM, TO FOLLOW ACTUAL COMPONENT DIMENSION. 0.39 4. SHEET 1: D06: TOLERANCE OF DIM 'A' CHANGED TO ±0.15 FROM ±0.10, TO FOLLOW ACTUAL COMPONENT DIMENSION. 5. SHEET 1: C10: DIM 2.00 CHANGED TO DIM 2.0 TO INCREASE THE TOLERANCE TO FOLLOW ACTUAL COMPONENT DIMENSION. 6. SHEET 1: E04: ADDED NOTE 9 FOR POSITION TOLERANCE MEASUREMENT. 7. SHEET 1: E08, E07, C04, B03 : REMOVED BRACKET FROM THE BASIC DIMENSION <span style="border: 1px solid black; padding: 0 2px;">10.00</span> , <span style="border: 1px solid black; padding: 0 2px;">B</span> , <span style="border: 1px solid black; padding: 0 2px;">10.00</span> , <span style="border: 1px solid black; padding: 0 2px;">B</span> RESPECTIVELY FOR TP CONTROL 8. SHEET 1: B08, C10, C06, C01 : ADDED "SEE NOTE 8" FOR TP CONTROL 9. SHEET 1: C08: DIM 7.05±0.20 AND 14.35±0.15 CHANGED TO 7.05±0.25 AND 14.35±0.15 RESPECTIVELY.

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									
FUNCTIONAL SYMBOLS  = 0  = 0  = 0	DIMENSION UNITS <b>mm</b>	SCALE <b>1:1</b>	CURRENT REV DESC: SEE REVISION TABLE ON SHEET 3						
	GENERAL TOLERANCES (UNLESS SPECIFIED)		EC NO: 719835 DRWN: KRISHH1 CHKD: JKACHLIC APPR: JKACHLIC						
	ANGULAR TOL ± 0.5°		2022/05/16 2022/09/13 2022/09/13						
DIVISIONAL SYMBOLS    	4 PLACES ±	3 PLACES ±	INITIAL REVISION: DRWN: RFC_PLMIMP APPR: SREED						
	2 PLACES ± 0.05	1 PLACE ± 0.1	2018/11/28 2003/05/15						
	1 PLACE ± 0.1	0 PLACES ±	DOCUMENT NUMBER: <b>SDA-73644-XXXX</b> DOC TYPE: PSD DOC PART: 001 REVISION: L						
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	THIRD ANGLE PROJECTION 	DRAWING: <b>B-SIZE</b>	SERIES: <b>73644</b>	MATERIAL NUMBER: SEE TABLE	CUSTOMER: GENERAL MARKET	SHEET NUMBER: 3 OF 3		

**molex**

SALES ASSEMBLY, HDM  
BACKPLANE MODULE POLAR/GUIDE OPTION

PRODUCT CUSTOMER DRAWING

MATERIAL NUMBER	NUMBER OF SIGNAL CONTACTS	PLATING	DIM "A"	DIM "B"	DIM "M"
73644-00**	72	SELECTIVE GOLD/GOLD FLASH	31.60	22.00	5.00
73644-01**	72	SELECTIVE GOLD/GOLD FLASH	31.60	22.00	5.50
73644-02**	72	SELECTIVE GOLD/GOLD FLASH	31.60	22.00	6.00
73644-10**	144	SELECTIVE GOLD/GOLD FLASH	55.60	46.00	5.00
73644-11**	144	SELECTIVE GOLD/GOLD FLASH	55.60	46.00	5.50
73644-12**	144	SELECTIVE GOLD/GOLD FLASH	55.60	46.00	6.00
73644-20**	72	SELECTIVE GOLD/SELECTIVE TIN-LEAD	31.60	22.00	5.00
73644-21**	72	SELECTIVE GOLD/SELECTIVE TIN-LEAD	31.60	22.00	5.50
73644-22**	72	SELECTIVE GOLD/SELECTIVE TIN-LEAD	31.60	22.00	6.00
73644-30**	144	SELECTIVE GOLD/SELECTIVE TIN-LEAD	55.60	46.00	5.00
73644-31**	144	SELECTIVE GOLD/SELECTIVE TIN-LEAD	55.60	46.00	5.50
73644-32**	144	SELECTIVE GOLD/SELECTIVE TIN-LEAD	55.60	46.00	6.00

## MATERIAL NUMBER ASSIGNMENT

73644- \* \* \* \*

0 = 72-CIRCUIT, GOLD/GOLD FLASH  
 1 = 144-CIRCUIT, GOLD/GOLD FLASH  
 2 = 72-CIRCUIT, GOLD/TIN-LEAD  
 3 = 144-CIRCUIT, GOLD/TIN-LEAD

0 = 5.00 MATING LENGTH  
 1 = 5.50 MATING LENGTH  
 2 = 6.00 MATING LENGTH

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



REF. MATERIAL NUMBER 73644-0009  
 GUIDE PIN IS IN LOCATION A  
 POLARIZING KEY IS IN LOCATION B, POSITION E

REF. MATERIAL NUMBER 73644-0008  
 GUIDE PIN IS IN LOCATION B  
 POLARIZING KEY IS IN LOCATION A, POSITION E

DIMENSIONS SHOWN (METRIC) INCH				$\nabla = 0$ $\blacktriangledown = 0$ REVISE ONLY ON CAD SYSTEM													
UNLESS OTHERWISE SPECIFIED TOLERANCES: ANGULAR $\pm 1/2^\circ$				TITLE													
<table border="1" style="margin: auto;"> <thead> <tr> <th></th> <th>INCH</th> <th>METRIC</th> </tr> </thead> <tbody> <tr> <td>3 PLACE</td> <td><math>\pm N/A</math></td> <td>---</td> </tr> <tr> <td>2 PLACE</td> <td><math>\pm N/A</math></td> <td><math>\pm N/A</math></td> </tr> <tr> <td>1 PLACE</td> <td>---</td> <td><math>\pm N/A</math></td> </tr> </tbody> </table>					INCH	METRIC	3 PLACE	$\pm N/A$	---	2 PLACE	$\pm N/A$	$\pm N/A$	1 PLACE	---	$\pm N/A$	SALES ASSY, HDM BACKPLANE MODULE, POLAR/GUIDE OPTION	
	INCH	METRIC															
3 PLACE	$\pm N/A$	---															
2 PLACE	$\pm N/A$	$\pm N/A$															
1 PLACE	---	$\pm N/A$															
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				MOLEX INCORPORATED   SHEET NO.   DATE LISLE, ILL.   60532   U.S.A.   2   96/12/18													
D				SEE SHEET I													
LTR.   REVISIONS				LTR.   REVISIONS													
DRWG. BY: JRR   APP'D. BY: CAB				CHK'D. BY: SMR   SCALE: ---:--- FILE NAME: S73644X2 DGN													
P				PART NO.   DRWG. NO. SEE CHART   SDA-73644-****													
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.				DIV.   SIZE DA   B													