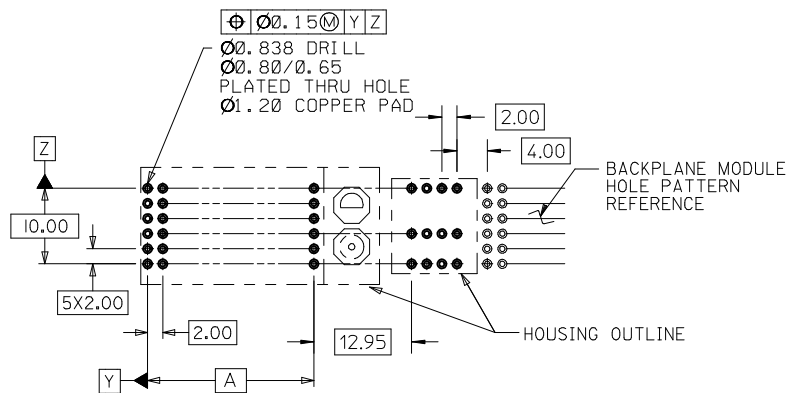
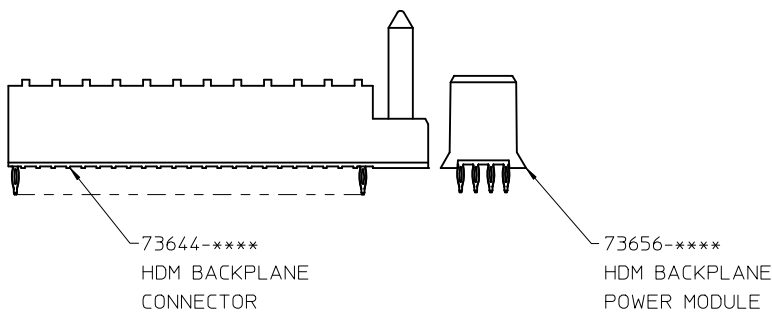
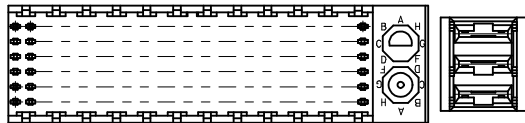




PCB LAYOUT: COMPONENT SIDE
RECOMMENDED PCB THICKNESS: 2.50 MIN

- NOTES:
1. SEE SD-73644-**** FOR ADDITIONAL INFORMATION FOR THE 73644 BACKPLANE MODULE.
 2. SEE SD-73656-*00* FOR ADDITIONAL INFORMATION FOR THE 73656 MODULE.

MATERIAL NUMBER	NUMBER OF SIGNAL CONTACTS	DIM "A"
73644-00**	72	22.00
73644-01**	72	22.00
73644-02**	72	22.00
73644-10**	144	46.00
73644-11**	144	46.00
73644-12**	144	46.00
73644-20**	72	22.00
73644-21**	72	22.00
73644-22**	72	22.00
73644-30**	144	46.00
73644-31**	144	46.00
73644-32**	144	46.00

INITIAL RELEASE
EC NO: UCP2009-3131
DRWN:SDANNELLEY 2009/08/05
CHKD:BSMART 2009/08/06
APPR:SMILLER 2009/08/07

REV
A

QUALITY SYMBOLS
=0
=0

DESCRIPTION

GENERAL TOLERANCES (UNLESS SPECIFIED)
mm INCH
4 PLACES ± --- ± ---
3 PLACES ± --- ± .005
2 PLACES ± 0.13 ± .010
1 PLACE ± 0.25 ± ---
ANGULAR ± 1/2°
DRAFT WHERE APPLICABLE
MUST REMAIN WITHIN DIMENSIONS

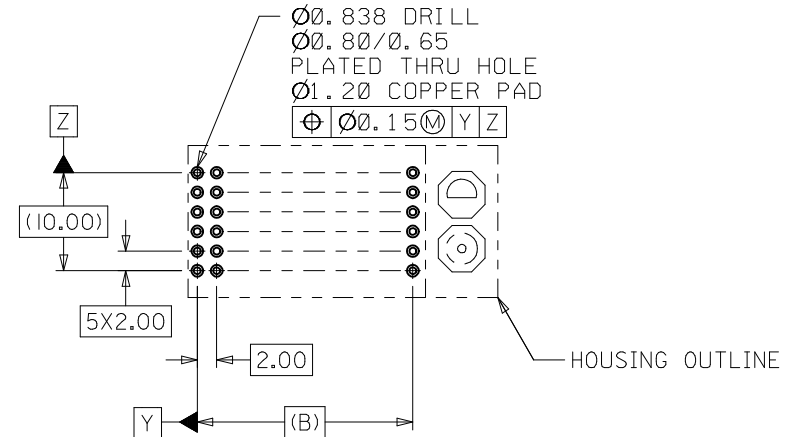
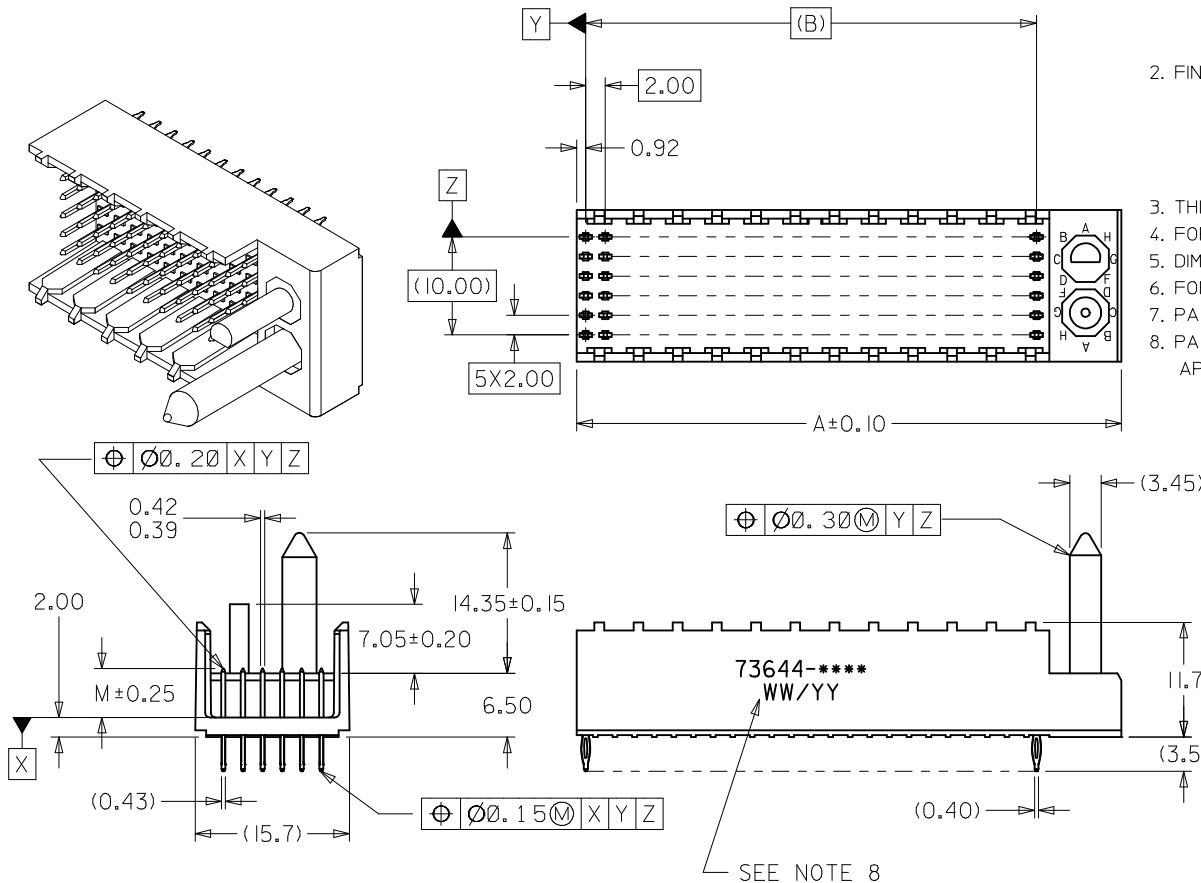
DIMENSION STYLE
MM ONLY
DRAWN BY DATE
SDANNELLEY 2009/06/26
CHECKED BY DATE
BSMART 2009/06/26
APPROVED BY DATE
SMILLER 2009/06/26
MATERIAL NO.
N/A
SIZE
C THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

SCALE
2:1
DESIGN UNITS
METRIC
THIRD ANGLE PROJECTION
TITLE
PCB LAYOUT FOR 73644 AND 73659 CONNECTORS USED IN CONJUNCTION
molex MOLEX INCORPORATED
DOCUMENT NO.
SD-73644-004
SHEET NO.
1 OF 1

tb_frame_C_P_AM_T
Rev. E 2006/04/15

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 70873-0818.
8. PARTS MARKED WITH PART NUMBER AND DATE CODE ON EITHER SIDE.
APPROXIMATELY WHERE SHOWN.



PCB LAYOUT: COMPONENT SIDE
RECOMMENDED PCB THICKNESS: 2.50 MIN

LEAD FREE CONVERSION EC NO: UCP2013-3253 DRWN:RWHIPPLE 2013/02/04 CHKD:WOLFE 2013/02/04 APPR:SMILLER 2013/08/05	DESCRIPTION REV	QUALITY SYMBOLS $\nabla = 0$ $\nabla = 0$ $\nabla = 0$	GENERAL TOLERANCES (UNLESS SPECIFIED) mm INCH 4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± 0.05 ± --- 1 PLACE ± 0.10 ± --- 0 PLACE ± --- ± --- ANGULAR ± 1/2° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	DIMENSION STYLE MM ONLY DRAWN BY DATE RWHIPPLE 2013/02/04 CHECKED BY DATE SMR/CAB 96/12/18 APPROVED BY DATE SMILLER 2013/08/05 MATERIAL NO. SEE SHEET 2 SIZE B	SCALE 2:1 DESIGN UNITS METRIC THIRD ANGLE PROJECTION SALES ASSEMBLY, HDM BACKPLANE MODULE POLAR/GUIDE OPTION molex DOCUMENT NO. SDA-73644-**** SHEET NO. 1 OF 2

10	9	8	7	6	5	4	3	2	1
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			

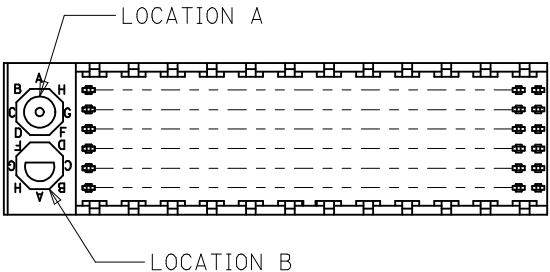
MATERIAL NUMBER ASSIGNMENT

73644- * * * *

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

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

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

SEE SHEET 1 EC NO: UCP2013-3253 DRAWN: RWHIPPLE 2013/02/04 CHKD: MWOLFE 2013/02/04 APPR: SMILLER 2013/08/05 REV	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED) mm INCH 4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± 0.05 ± --- 1 PLACE ± 0.10 ± --- 0 PLACE ± --- ± --- ANGULAR ± 1/2° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	DIMENSION STYLE MM ONLY DRAWN BY DATE RWHIPPLE 2013/02/04 CHECKED BY DATE SMR/CAB 96/12/18 APPROVED BY DATE SMILLER 2013/08/05 MATERIAL NO. SEE CHART SIZE B	SCALE 1:1 DESIGN UNITS METRIC THIRD ANGLE PROJECTION SALES ASSEMBLY, HDM BACKPLANE MODULE POLAR/GUIDE OPTION molex DOCUMENT NO. SDA-73644-**** SHEET NO. 2 OF 2

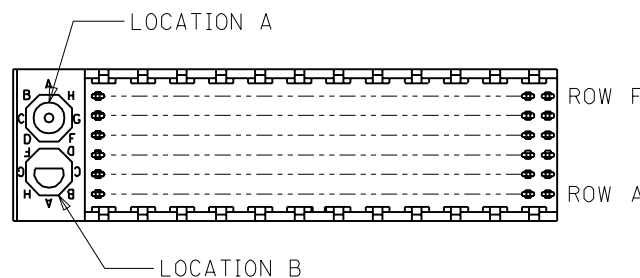
10		9	8	7	6		7364
F	MATERIAL NUMBER	NUMBER OF SIGNAL CONTACTS	PLATING		DIM "A"	DIM "B"	DIM "M"
	73644-00**	72	SELECTIVE GOLD/GOLD FLASH		31.60	22.00	5.00
	73644-01**	72	SELECTIVE GOLD/GOLD FLASH		31.60	22.00	5.50
	73644-02**	72	SELECTIVE GOLD/GOLD FLASH		31.60	22.00	6.00
	73644-10**	144	SELECTIVE GOLD/GOLD 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
E	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

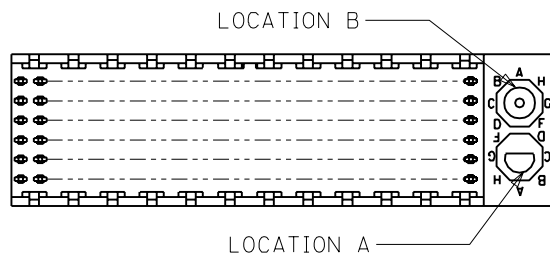
73644- * * * *

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
```



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



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

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	N/A
17	A	
18	N/A	

[illegible]