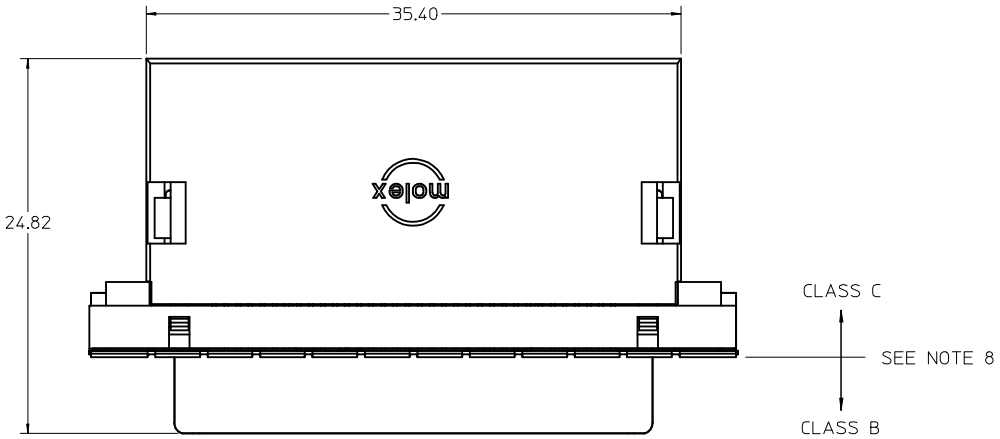
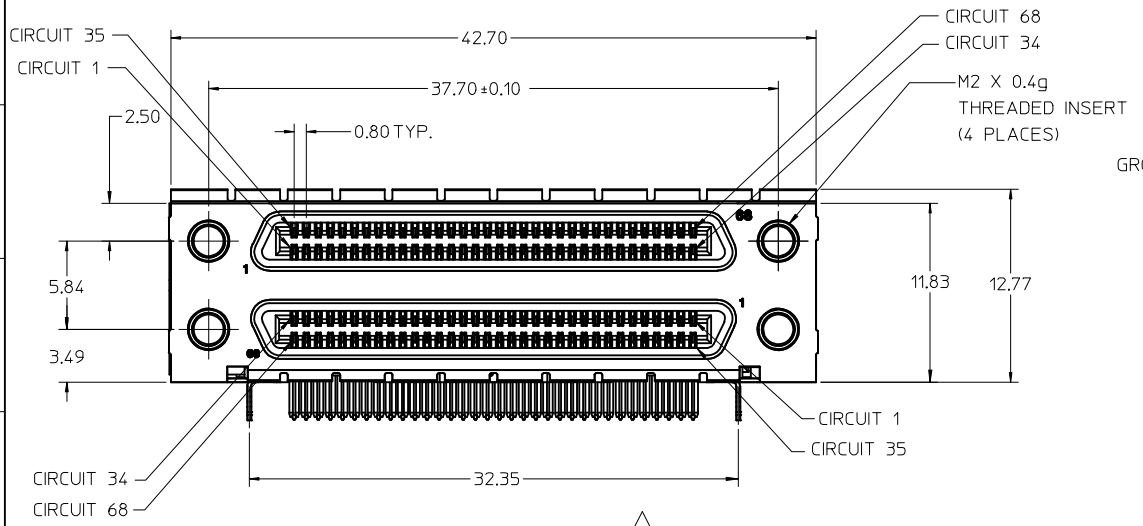
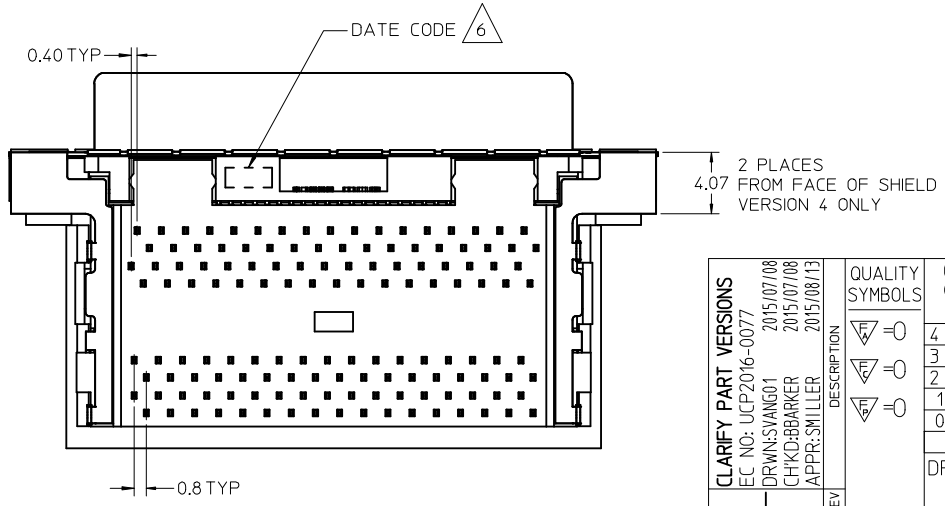
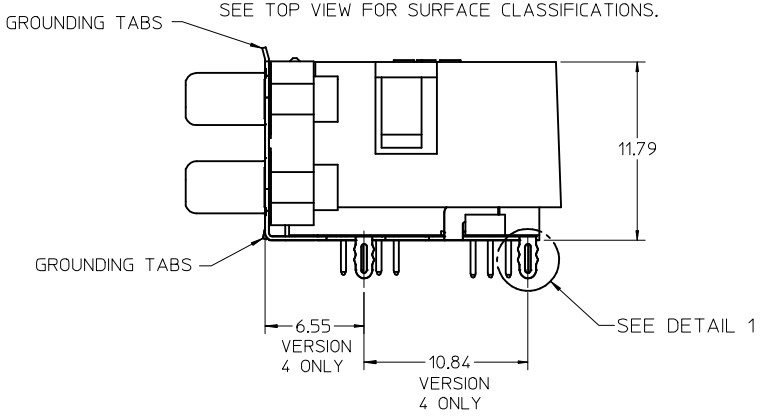




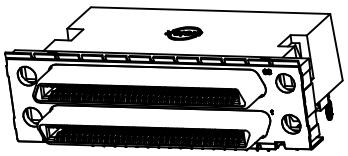


NOTES:

1. MATERIALS:
   HOUSING, COVER, AND TAIL ALIGNER: HIGH TEMPERATURE THERMOPLASTIC, UL94, V-0 RATED, COLOR: BLACK
   TERMINAL: PHOSPHOR BRONZE ALLOY
   BRACKET: BRASS
   SHELL: STEEL
   INSERT: BRASS
2. FINISHES:
   TERMINAL: 0.05-0.25 MICROMETERS GOLD FLASH IN CRITICAL AREA OVER 0.75 MICROMETERS MINIMUM PALLADIUM NICKEL IN CRITICAL AREA, 1.87 MICROMETERS MINIMUM TIN IN SOLDER TAIL AREA, ALL OVER NICKEL.
   BRACKET: 5.0 MICROMETERS MINIMUM BRIGHT TIN.
   SHIELD: 3.81 MICROMETERS MINIMUM BRIGHT TIN OVER 1.27 MICROMETERS MINIMUM NICKEL OVER COPPER FLASH (OPTIONAL).
   INSERT: 2.54 MICROMETERS MINIMUM NICKEL.
3. PRODUCT SPECIFICATION: PS-71425-9999.
4. PACKAGING SPECIFICATION: TRAY PACK PER PK-74337-001.
5. APPLICABLE STANDARDS: EIA-700A0AF AND SFF-8441.
6. DATE CODE: YR/WK PER EIA-476-A.
7. TORQUE TO INSTALL SCREWLOCKS INTO THREADED INSERTS: 0.37 Nm MAXIMUM
8. PRODUCT COMPLIES WITH COSMETIC SPECIFICATION PS-45499-002. SEE TOP VIEW FOR SURFACE CLASSIFICATIONS.



VERSION 4 WITH COVER SHOWN ON THIS SHEET



CLARIFY PART VERSIONS
EC NO: UCP2016-0077 2015/07/08
DRWN:SVANG01 2015/07/08
CH'KD:BBARKER 2015/08/13
APPR:SMILLER
DESCRIPTION
REV

QUALITY SYMBOLS

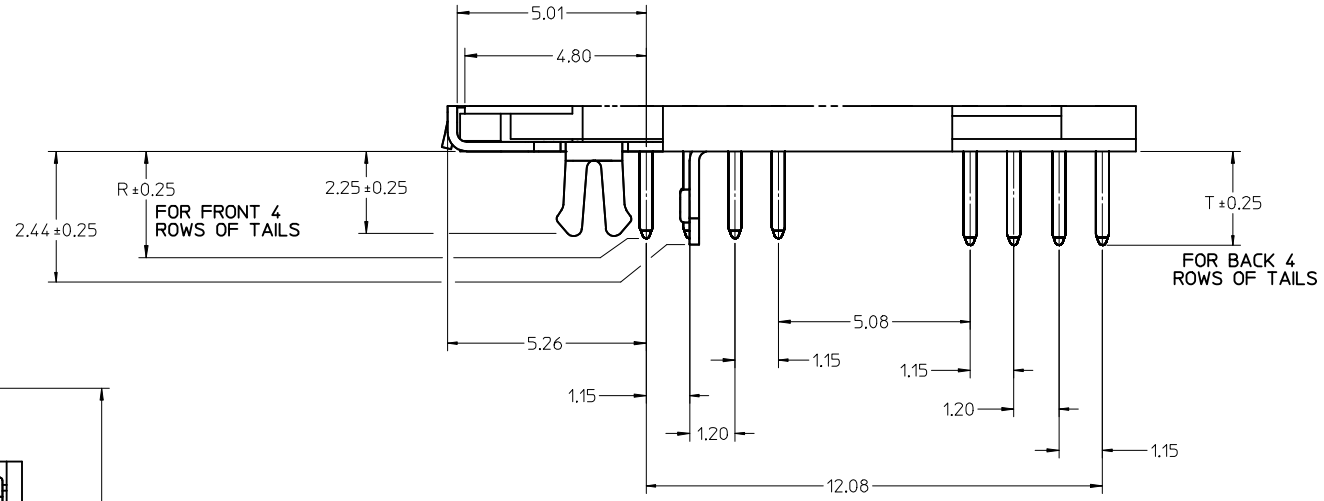
GENERAL TOLERANCES (UNLESS SPECIFIED)	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.13	± ---
1 PLACE	± 0.25	± ---
0 PLACE	±	±
ANGULAR ± 1 °		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

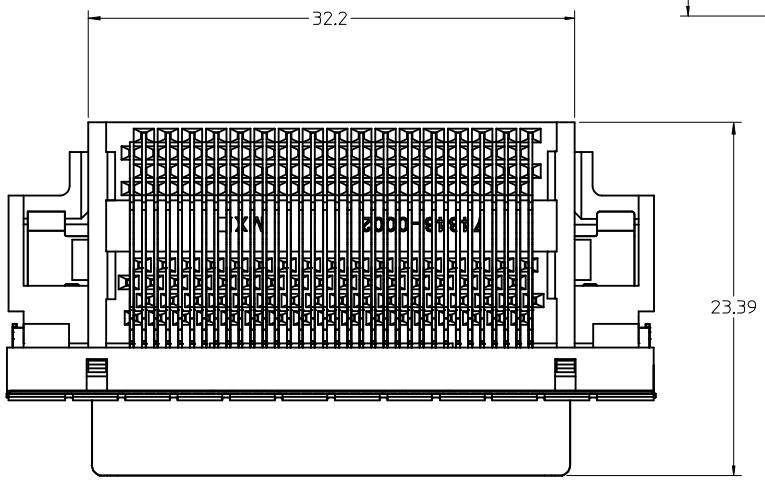
DIMENSION STYLE	MM ONLY
SCALE	3:1
DESIGN UNITS	METRIC
	THIRD ANGLE PROJECTION
DRAWN BY / DATE	RKADAMS 04/8/27
CHECKED BY / DATE	BBARKER 04/8/27
APPROVED BY / DATE	SMILLER 04/8/27
MATERIAL NO.	SEE TABLE
TITLE	SALES ASSEMBLY VHDCI STACKED
DOCUMENT NO.	SD-74337-004
SHEET NO.	1 OF 4
SIZE	C

molex

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

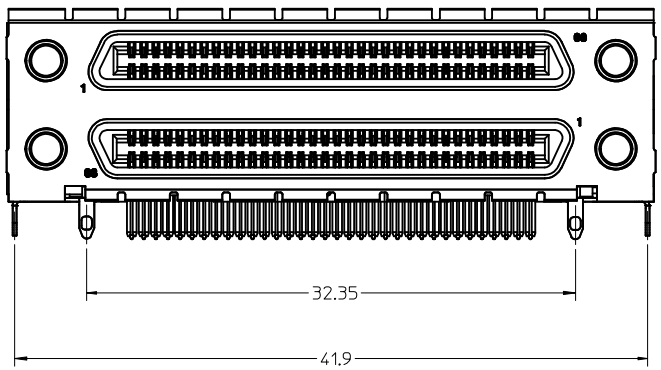


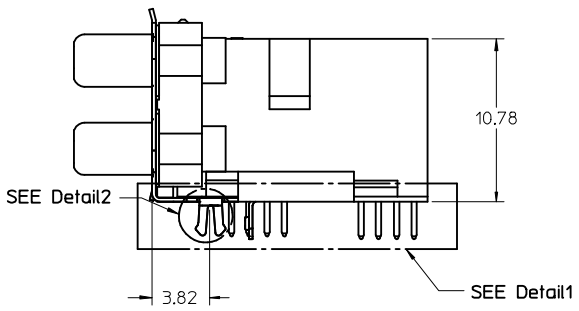
Detail1
SCALE 10:1

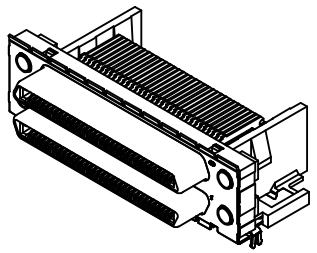


VERSION 1 WITHOUT COVER SHOWN ON THIS SHEET

NOTE: DIMENSIONS SHOWN ON SHEET 1 APPLY EXCEPT AS NOTED







SEE SHEET 1
EC NO: UCP2016-0077 2015/07/08
DRWN:SVANG01 2015/07/08
CHKD:BBARKER 2015/08/13
APPR:SMILLER
DESCRIPTION
REV

QUALITY SYMBOLS
=0
=0
=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.13	± ---
1 PLACE	± 0.25	± ---
0 PLACE	±	±

ANGULAR ± 1 °

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY
SCALE: 4:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

DRAWN BY	RKADAMS	DATE 04/8/27
CHECKED BY	BBARKER	DATE 04/8/27
APPROVED BY	SMILLER	DATE 04/8/27

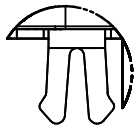
TITLE: SALES ASSEMBLY VHDCI STACKED

molex

MATERIAL NO.: SEE TABLE
DOCUMENT NO.: SD-74337-004
SHEET NO.: 2 OF 4
SIZE: C

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

VERSION 1 PART NUMBERS

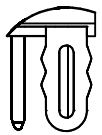


DETAIL 2
(BACKGROUND OMITTED FOR CLARITY)

BOARD RETENTION: SNAP FIT

PCB THICKNESS	COVER	R DIM.	T DIM.	INCLUDES LOOSE PACKED SCREWLOCKS 71433-0002 SEE DRAWING SD-71433-005	GROUNDING TABS	PART NUMBER
1.60±0.16	YES	2.30	2.48	NO	YES	74337-0911
1.60±0.16	YES	2.08		NO	YES	74337-0912
1.60±0.16	NO	2.30	2.48	NO	YES	74337-0915
1.60±0.16	NO	2.08		NO	YES	
1.60±0.16	YES	2.30	2.48	YES	YES	
1.60±0.16	YES	2.08		YES	YES	
1.60±0.16	NO	2.30	2.48	YES	YES	
1.60±0.16	NO	2.08		YES	YES	
2.36±0.16	YES	3.44	3.62	NO	YES	
2.36±0.16	NO	3.44	3.62	NO	YES	
2.36±0.16	YES	3.44	3.62	YES	YES	74337-0972
2.36±0.16	NO	3.44	3.62	YES	YES	
1.60±0.16	YES	2.08		INSTALLED ON PART	YES	

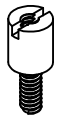
VERSION 4 PART NUMBERS



DETAIL 1
(BACKGROUND OMITTED FOR CLARITY)

BOARD RETENTION: PRESS FIT

PCB THICKNESS	COVER	R DIM.	T DIM.	INCLUDES LOOSE PACKED SCREWLOCKS 71433-0002 SEE DRAWING SD-71433-005	GROUNDING TABS	PART NUMBER
1.60±0.16	YES	2.30	2.48	NO	YES	
1.60±0.16	YES	2.08		NO	NO	74337-0951
1.60±0.16	NO	2.30	2.48	NO	YES	
1.60±0.16	NO	2.08		NO	YES	
1.60±0.16	YES	2.08		NO	YES	
1.60±0.16	YES	2.30	2.48	YES	YES	
1.60±0.16	YES	2.08		YES	YES	
1.60±0.16	NO	2.30	2.48	YES	YES	
1.60±0.16	NO	2.08		YES	YES	
2.36±0.16	YES	3.44	3.62	NO	YES	74337-0952
2.36±0.16	NO	3.44	3.62	NO	YES	
2.36±0.16	YES	3.44	3.62	YES	YES	
2.36±0.16	NO	3.44	3.62	YES	YES	
1.60±0.16	YES	2.08		INSTALLED ON PART	YES	



OPTIONAL SCREWLOCK
71433-0002

SEE SHEET 1
EC NO: UCP2016-0077 2015/07/08
DRWN:SVANG01 2015/07/08
CHKD:BBARKER 2015/08/13
APPR:SMILLER
DESCRIPTION
REV —

QUALITY SYMBOLS
F =0
E =0
P =0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.13	± ---
1 PLACE	± 0.25	± ---
0 PLACE	±	±
ANGULAR ± 1 °		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY
SCALE: 3:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

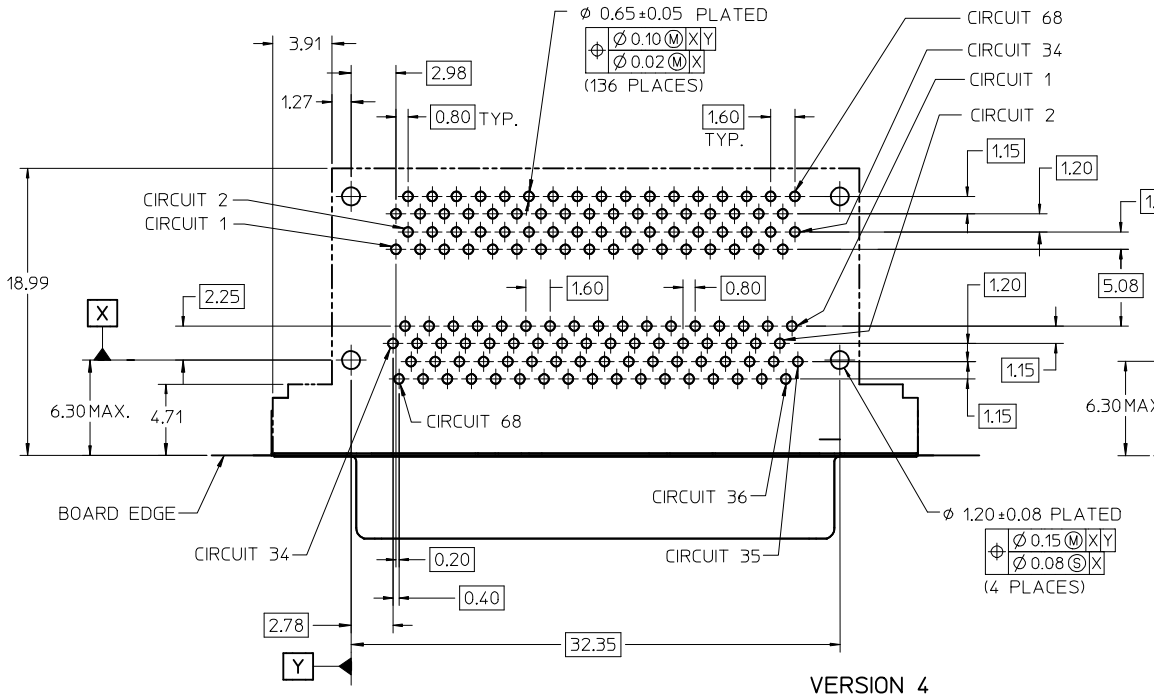
		DATE
DRAWN BY	RKADAMS	04/8/27
CHECKED BY	BBARKER	04/8/27
APPROVED BY	SMILLER	04/8/27

TITLE: SALES ASSEMBLY VHDCI STACKED

molex

MATERIAL NO.: SEE TABLE
DOCUMENT NO.: SD-74337-004
SHEET NO.: 3 OF 4
SIZE: C

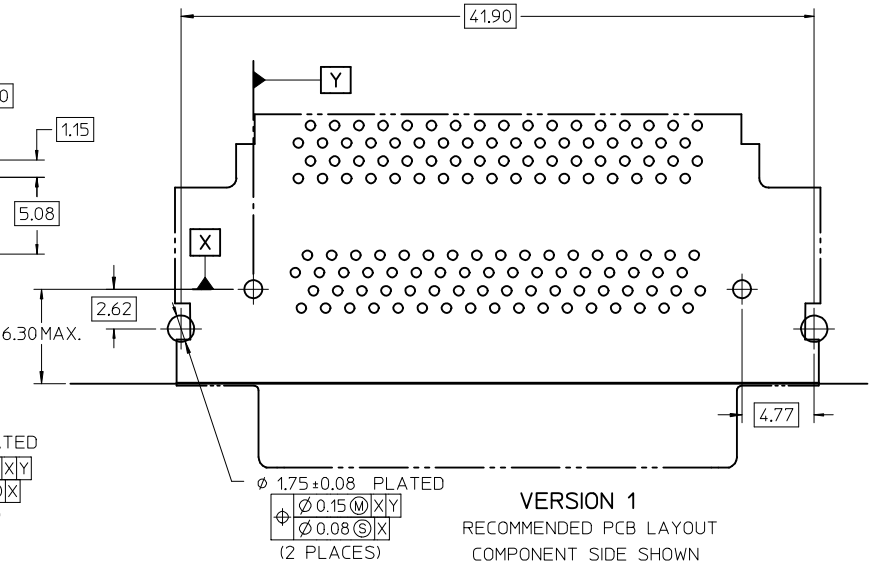
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION



VERSION 4

RECOMMENDED PCB LAYOUT

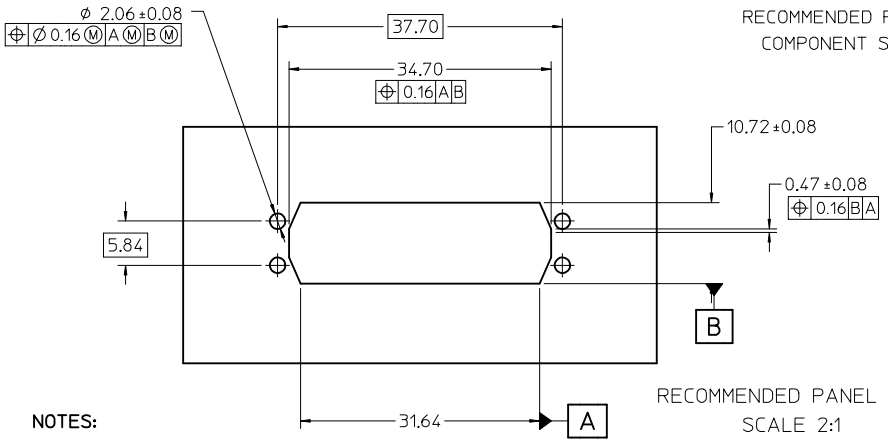
COMPONENT SIDE SHOWN



VERSION 1

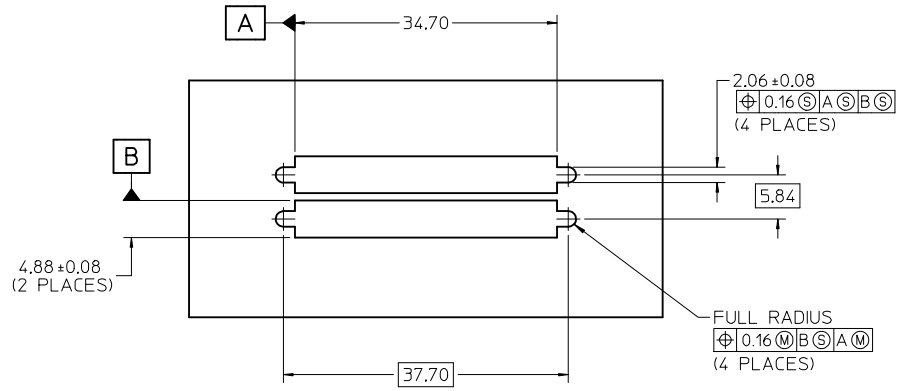
RECOMMENDED PCB LAYOUT

COMPONENT SIDE SHOWN



RECOMMENDED PANEL OPENING

SCALE 2:1



PANEL OPENING PER SFF-8441 SPECIFICATION

SCALE 2:1

NOTES:

1. FOR FULL MATE WITH PLUG, PANEL THICKNESS SHOULD NOT EXCEED 1.0mm.

   FUNCTIONAL MATING WITH MOLEX PLUG CAN STILL BE MAINTAINED WITH PANELS AS THICK AS 2.5mm (BUT PLUG AND RECEPTACLE WILL NOT BE FULLY MATED).

2. GUIDELINES FOR CHOOSING A MOLEX SCREWLOCK:

PANEL THICKNESS	RECOMMENDED SCREWLOCK
LESS THAN OR EQUAL TO 1.00 MM	71433-0002
1.01 TO 2.15 MM	71433-0010

SEE SHEET 1
EC NO: UCP2016-0077 2015/07/08
DRWN:SVANG01 2015/07/08
CH'KD:BBARKER 2015/08/13
APPR:SMILLER
DESCRIPTION
REV

QUALITY SYMBOLS
FV =0
FE =0
FP =0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.13	± ---
1 PLACE	± 0.25	± ---
0 PLACE	±	±

ANGULAR ± 1 °

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY
SCALE: 3:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

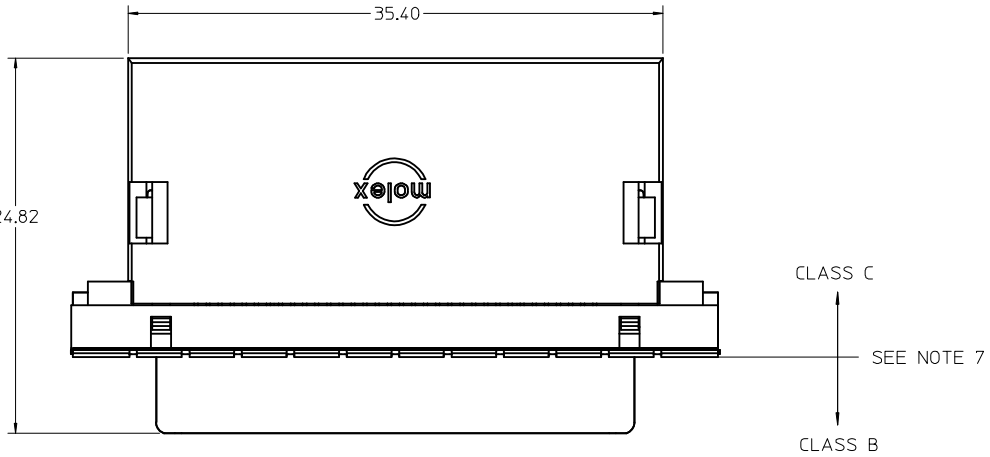
		DATE
DRAWN BY	RKADAMS	04/8/27
CHECKED BY	BBARKER	04/8/27
APPROVED BY	SMILLER	04/8/27

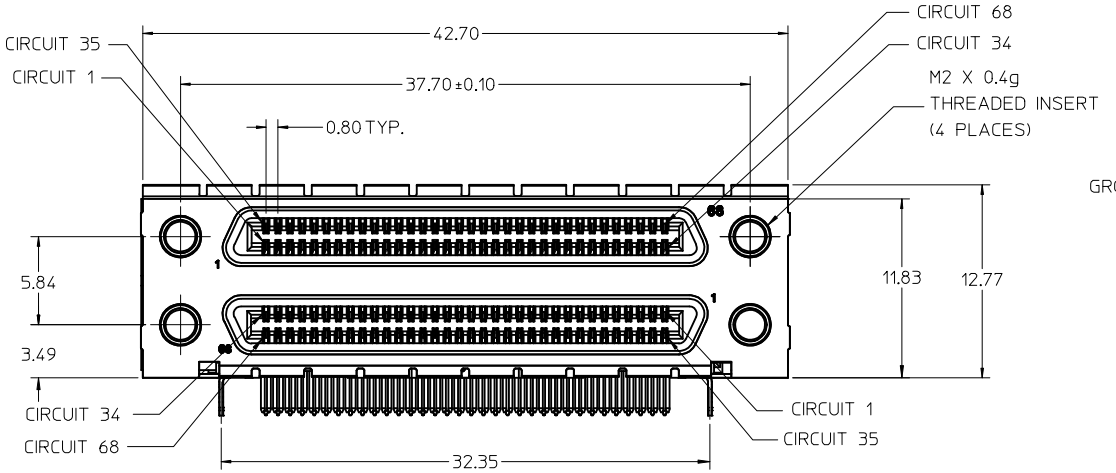
TITLE: SALES ASSEMBLY VHDCI STACKED

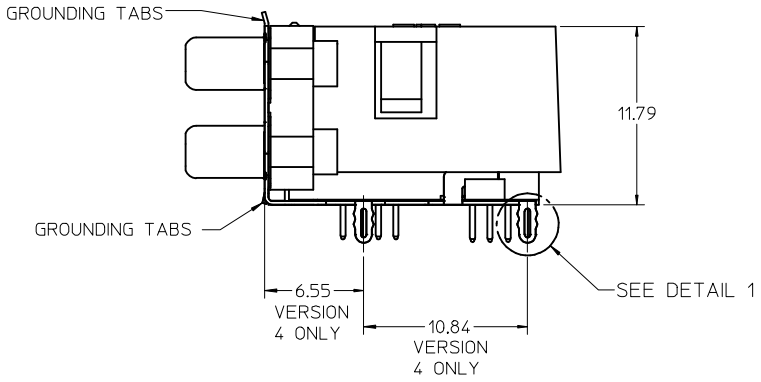
molex

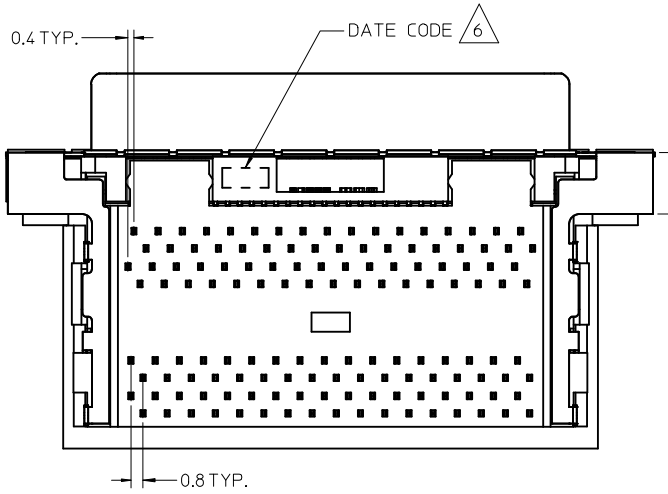
MATERIAL NO.: SEE TABLE
DOCUMENT NO.: SD-74337-004
SHEET NO.: 4 OF 4
SIZE: C

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





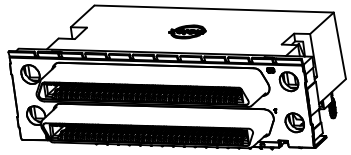




NOTES:

1. MATERIALS:
   HOUSING, COVER, AND TAIL ALIGNER: HIGH TEMPERATURE THERMOPLASTIC, UL94, V-0 RATED, COLOR: BLACK
   TERMINAL: PHOSPHOR BRONZE ALLOY
   BRACKET: BRASS
   SHELL: STEEL
   INSERT: BRASS
2. FINISHES:
   TERMINAL: 0.05-0.25 MICROMETERS GOLD FLASH IN CRITICAL AREA OVER 0.75 MICROMETERS MINIMUM PALLADIUM NICKEL IN CRITICAL AREA, 1.87 MICROMETERS MINIMUM TIN IN SOLDER TAIL AREA, ALL OVER NICKEL.
   BRACKET: 5.0 MICROMETERS MINIMUM BRIGHT TIN.
   SHIELD: 3.81 MICROMETERS MINIMUM BRIGHT TIN OVER 1.27 MICROMETERS MINIMUM NICKEL OVER COPPER FLASH (OPTIONAL).
   INSERT: 2.54 MICROMETERS MINIMUM NICKEL.
3. PRODUCT SPECIFICATION: PS-71425-9999.
4. PACKAGING SPECIFICATION: TRAY PACK PER PK-74337-001.
5. APPLICABLE STANDARDS: EIA-700AOAF AND SFF-8441.
6. DATE CODE: YR/WK PER EIA-476-A.
7. PRODUCT COMPLIES WITH COSMETIC SPECIFICATION PS-45499-002. SEE FIGURE AT LEFT FOR SURFACE CLASSIFICATIONS.
8. TORQUE TO INSTALL SCREWLOCKS INTO THREADED INSERTS: 0.34 Nm MAXIMUM.

VERSION 4, WITH COVER SHOWN ON THIS SHEET



CLARIFY PART VERSIONS
EC NO: UCP2016-0077 2015/07/08
DRWN:SVANG01 2015/07/08
CHKD:BBARKER 2015/08/13
APPR:SMILLER
DESCRIPTION
S
REV

QUALITY SYMBOLS
=0
=0
=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

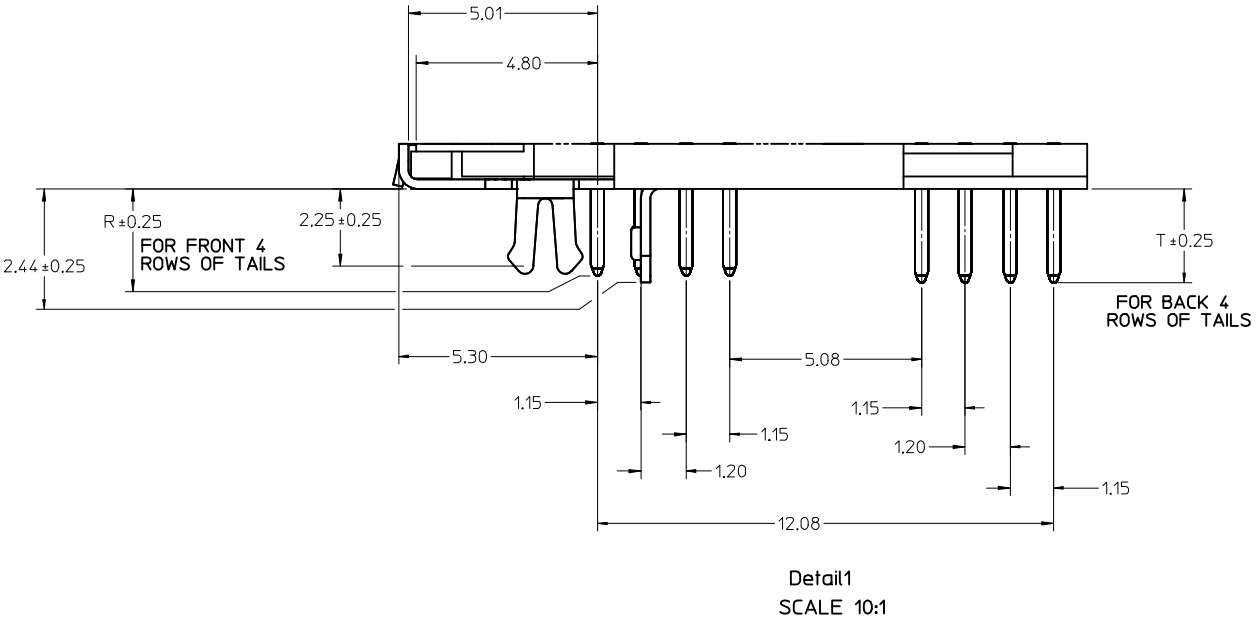
	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.13	± ---
1 PLACE	± 0.25	± ---
0 PLACE	±	±
ANGULAR ± 1 °		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

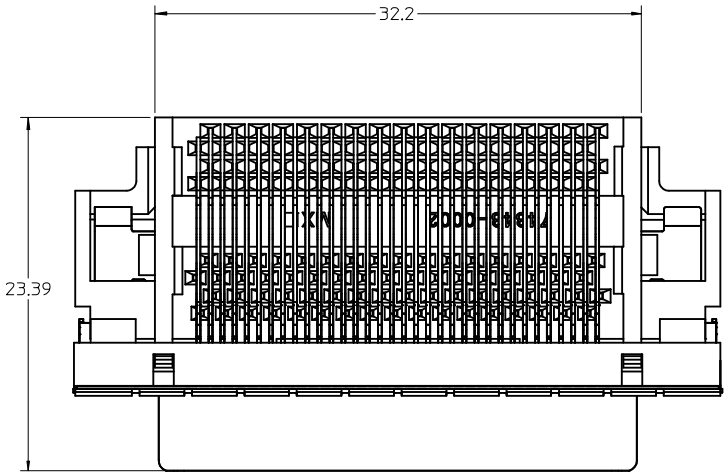
DIMENSION STYLE	MM ONLY	
SCALE	3:1	
DESIGN UNITS	METRIC	
		THIRD ANGLE PROJECTION
DRAWN BY	SSAMPSON	05.08.2001
CHECKED BY	MBANAKIS	05.08.2001
APPROVED BY	MBANAKIS	05.08.2001
MATERIAL NO.	SEE TABLE	
TITLE	VHDCI STACKED ASSEMBLY	
DOCUMENT NO.	SD-74337-014	
SHEET NO.	1 OF 4	
SIZE	C	

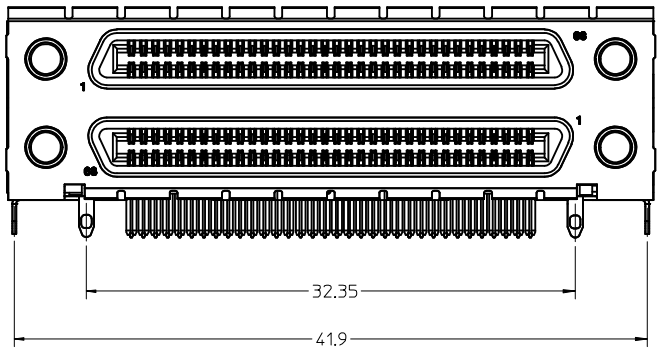
molex

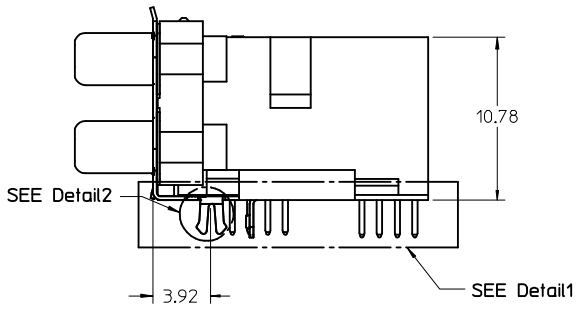
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

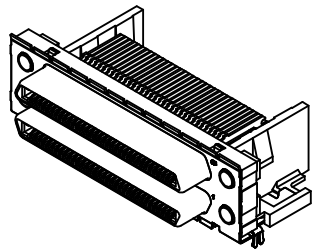


Detail1
SCALE 10:1









VERSION 1 WITHOUT COVER SHOWN ON THIS SHEET

NOTE: DIMENSION SHOWN ON SHEET 1 APPLY EXCEPT AS NOTED.

SEE SHEET 1
EC NO: UCP2016-0077 2015/07/08
DRWN:SVANG01 2015/07/08
CH'KD:BBARKER 2015/08/13
APPR:SMILLER
DESCRIPTION
REV
S

QUALITY SYMBOLS
F =0
F =0
F =0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.13	± ---
1 PLACE	± 0.25	± ---
0 PLACE	±	±

ANGULAR ± 1 °

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY
SCALE: 4:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

		DATE
DRAWN BY	SSAMPSON	05.08.2001
CHECKED BY	MBANAKIS	05.08.2001
APPROVED BY	MBANAKIS	05.08.2001

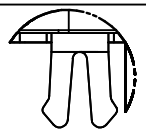
TITLE: VHDCI STACKED ASSEMBLY

molex

MATERIAL NO.: SEE TABLE
DOCUMENT NO.: SD-74337-014
SHEET NO.: 2 OF 4
SIZE: C

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

VERSION 1 PART NUMBERS

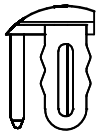


DETAIL 2
(BACKGROUND OMITTED FOR CLARITY)

BOARD RETENTION: SNAP FIT

PCB THICKNESS	COVER	R DIM.	T DIM.	INCLUDES LOOSE PACKED SCREWLOCKS 71433-0002 SEE DRAWING SD-71433-005	GROUNDING TABS	PART NUMBER
1.60±0.16	YES	2.30	2.48	NO	YES	74337-0011
1.60±0.16	YES	2.08		NO	YES	74337-0012
1.60±0.16	NO	2.30	2.48	NO	YES	74337-0015
1.60±0.16	NO	2.08		NO	YES	74337-0016
1.60±0.16	YES	2.30	2.48	YES	YES	74337-0037
1.60±0.16	YES	2.08		YES	YES	74337-0038
1.60±0.16	NO	2.30	2.48	YES	YES	74337-0039
1.60±0.16	NO	2.08		YES	YES	74337-0040
2.36±0.16	YES	3.44	3.62	NO	YES	74337-0070
2.36±0.16	NO	3.44	3.62	NO	YES	74337-0071
2.36±0.16	YES	3.44	3.62	YES	YES	74337-0072
2.36±0.16	NO	3.44	3.62	YES	YES	74337-0073
1.60±0.16	YES	2.08		INSTALLED ON PART	YES	74337-1038

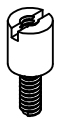
VERSION 4 PART NUMBERS



DETAIL 1
(BACKGROUND OMITTED FOR CLARITY)

BOARD RETENTION: PRESS FIT

PCB THICKNESS	COVER	R DIM.	T DIM.	INCLUDES LOOSE PACKED SCREWLOCKS 71433-0002 SEE DRAWING SD-71433-005	GROUNDING TABS	PART NUMBER
1.60±0.16	YES	2.30	2.48	NO	YES	74337-0050
1.60±0.16	YES	2.08		NO	NO	74337-0051
1.60±0.16	NO	2.30	2.48	NO	YES	74337-0060
1.60±0.16	NO	2.08		NO	YES	74337-0061
1.60±0.16	YES	2.08		NO	YES	74337-0066
1.60±0.16	YES	2.30	2.48	YES	YES	74337-0053
1.60±0.16	YES	2.08		YES	YES	74337-0054
1.60±0.16	NO	2.30	2.48	YES	YES	74337-0063
1.60±0.16	NO	2.08		YES	YES	74337-0064
2.36±0.16	YES	3.44	3.62	NO	YES	74337-0052
2.36±0.16	NO	3.44	3.62	NO	YES	74337-0062
2.36±0.16	YES	3.44	3.62	YES	YES	74337-0055
2.36±0.16	NO	3.44	3.62	YES	YES	74337-0065
1.60±0.16	YES	2.08		INSTALLED ON PART	YES	74337-1054



OPTIONAL SCREWLOCK
71433-0002

SEE SHEET 1
EC NO: UCP2016-0077 2015/07/08
DRWN:SVANG01 2015/07/08
CH'KD:BBARKER 2015/08/13
APPR:SMILLER
DESCRIPTION
S
REV

QUALITY SYMBOLS
E =0
E =0
E =0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.13	± ---
1 PLACE	± 0.25	± ---
0 PLACE	±	±
ANGULAR ± 1 °		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY
SCALE: 3:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

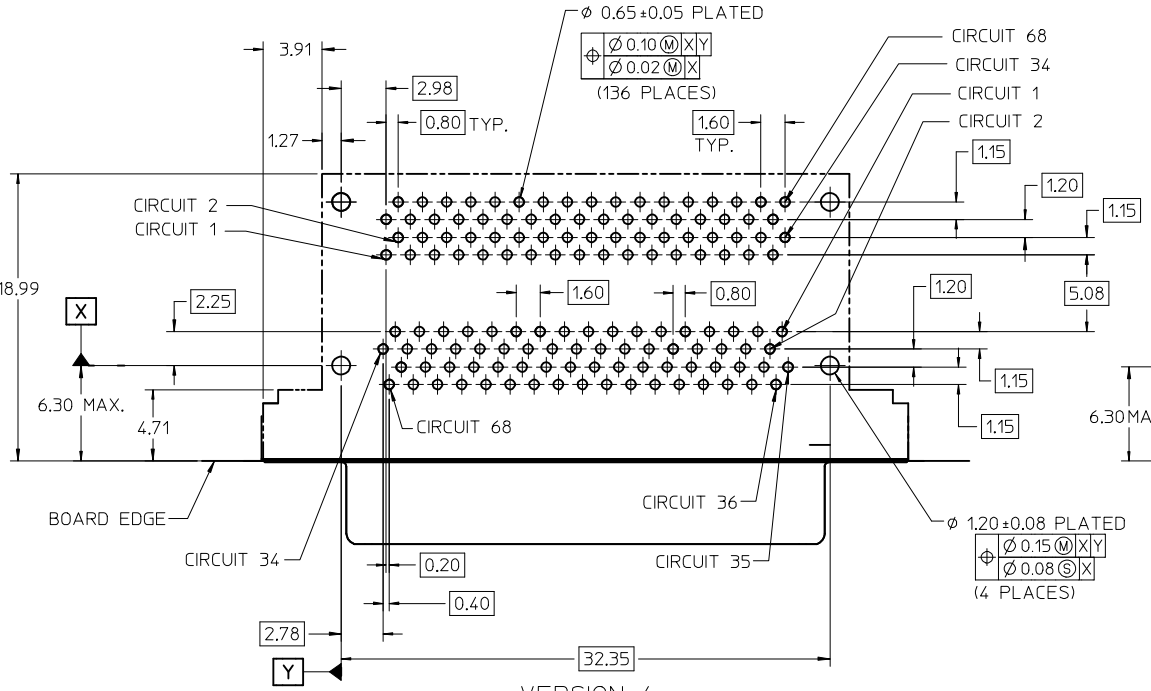
DRAWN BY: SSAMPSON DATE: 05.08.2001
CHECKED BY: MBANAKIS DATE: 05.08.2001
APPROVED BY: MBANAKIS DATE: 05.08.2001
MATERIAL NO.: SEE TABLE

TITLE: VHDCI STACKED ASSEMBLY

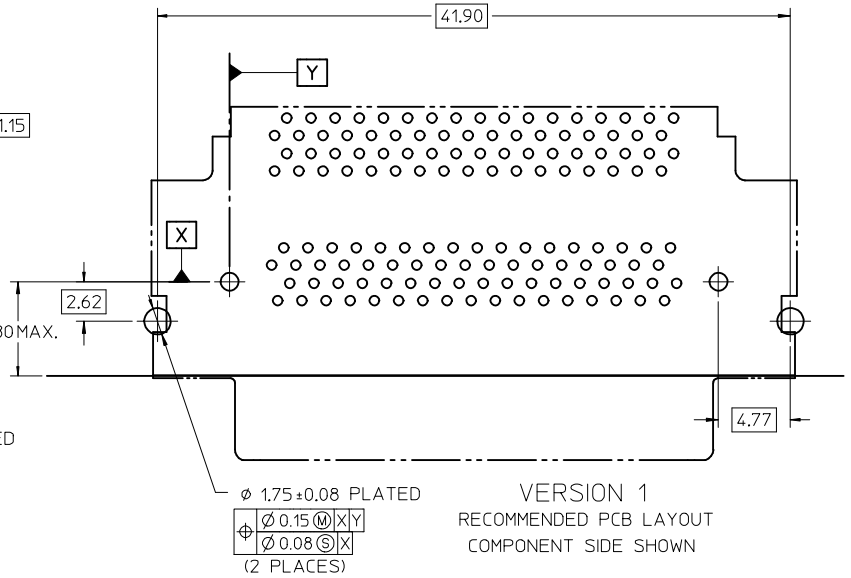
molex

DOCUMENT NO.: SD-74337-014
SHEET NO.: 3 OF 4
SIZE: C

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

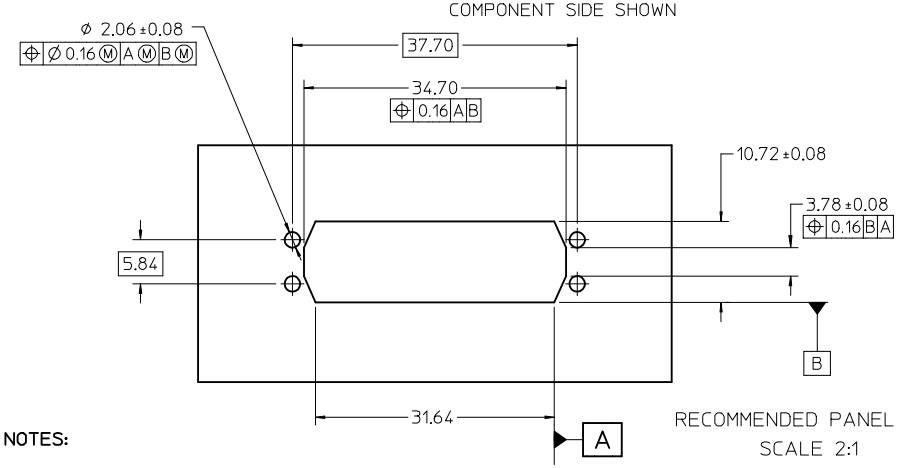


VERSION 4
RECOMMENDED PCB LAYOUT
COMPONENT SIDE SHOWN

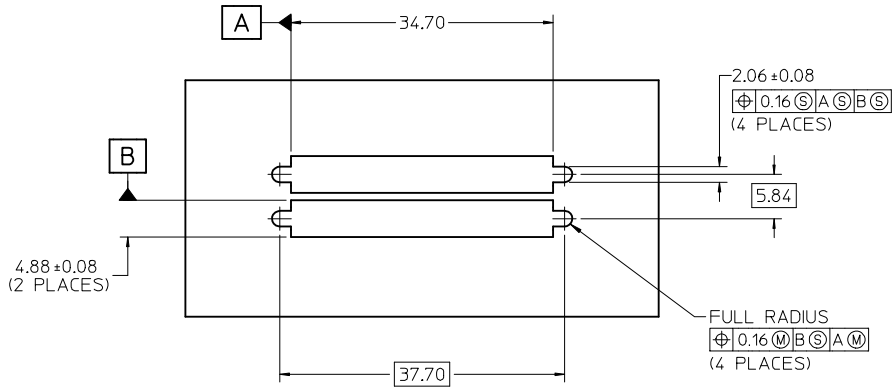


VERSION 1
RECOMMENDED PCB LAYOUT
COMPONENT SIDE SHOWN

SAME AS VERSION 4 EXCEPT AS SHOWN



RECOMMENDED PANEL OPENING
SCALE 2:1



PANEL OPENING PER SFF-8441 SPECIFICATION
SCALE 2:1

NOTES:

1. FOR FULL MATE WITH PLUG, PANEL THICKNESS SHOULD NOT EXCEED 1.0mm.

   FUNCTIONAL MATING WITH MOLEX PLUG CAN STILL BE MAINTAINED WITH PANELS AS THICK AS 2.5mm (BUT PLUG AND RECEPTACLE WILL NOT BE FULLY MATED).

2. GUIDELINES FOR CHOOSING A MOLEX SCREWLOCK:

PANEL THICKNESS	RECOMMENDED SCREWLOCK
LESS THAN OR EQUAL TO 1.00 MM	71433-0002
1.01 TO 2.15 MM	71433-0010

SEE SHEET 1
EC NO: UCP2016-0077 2015/07/08
DRWN:SVANG01 2015/07/08
CHKD:BBARKER 2015/08/13
APPR:SMILLER
DESCRIPTION
S
REV

QUALITY SYMBOLS
FV =0
FF =0
FP =0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.13	± ---
1 PLACE	± 0.25	± ---
0 PLACE	±	±

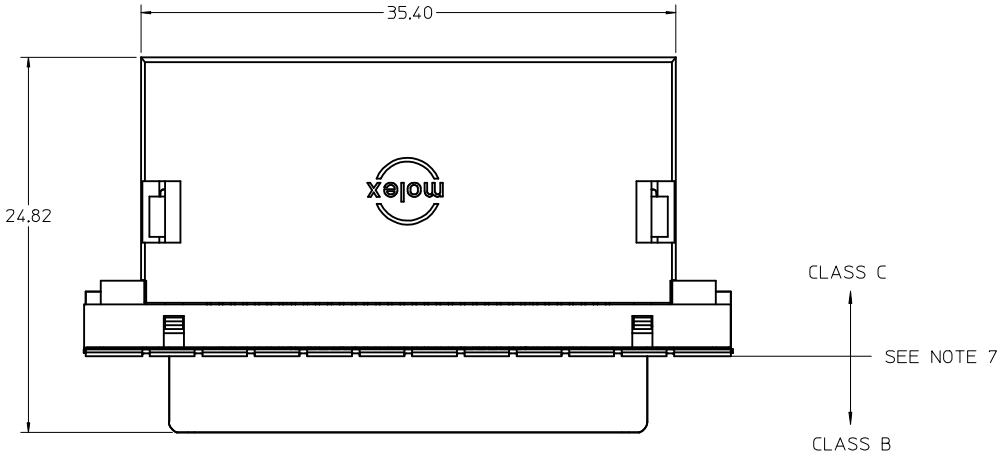
ANGULAR ± 1 °

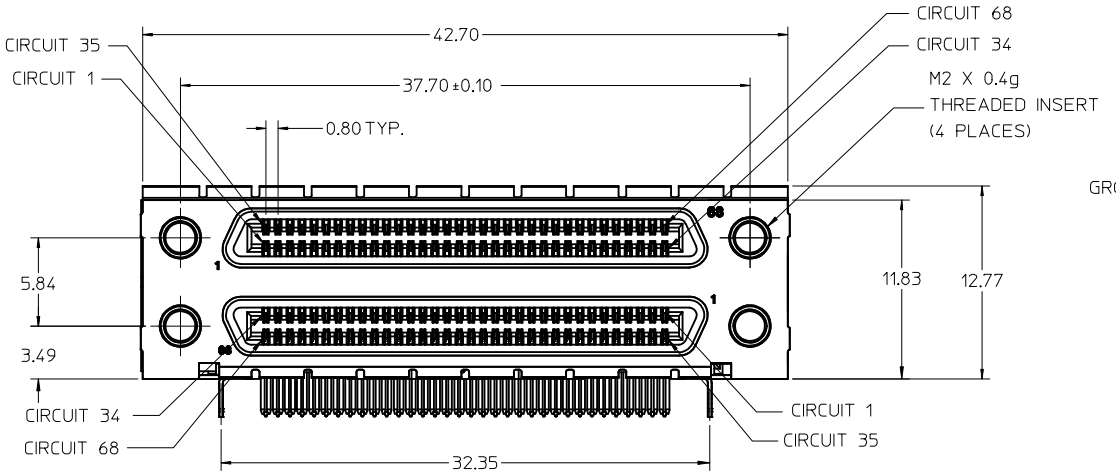
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

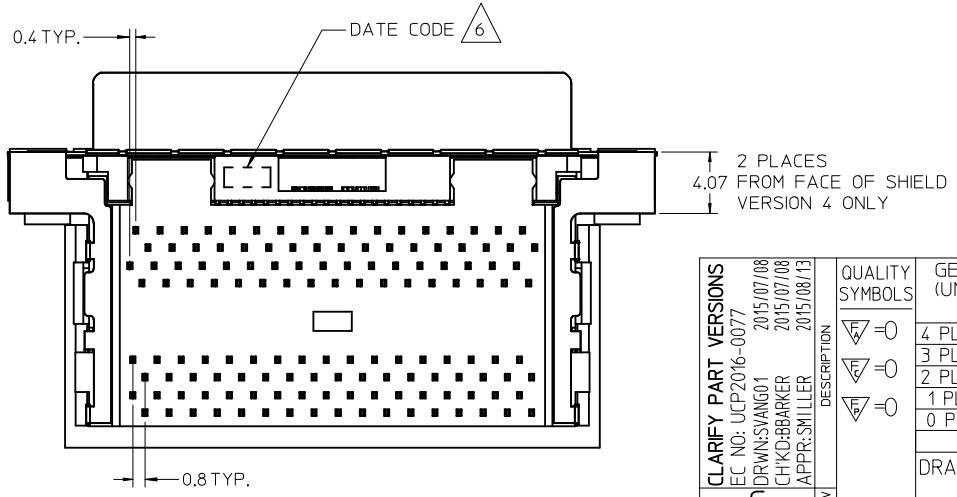
DIMENSION STYLE	MM ONLY
SCALE	3:1
DESIGN UNITS	METRIC
	THIRD ANGLE PROJECTION
DRAWN BY	SSAMPSON 05.08.2001
CHECKED BY	MBANAKIS 05.08.2001
APPROVED BY	MBANAKIS 05.08.2001
MATERIAL NO.	SEE TABLE
TITLE	VHDCI STACKED ASSEMBLY
DOCUMENT NO.	SD-74337-014
SHEET NO.	4 OF 4
SIZE	C

molex

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

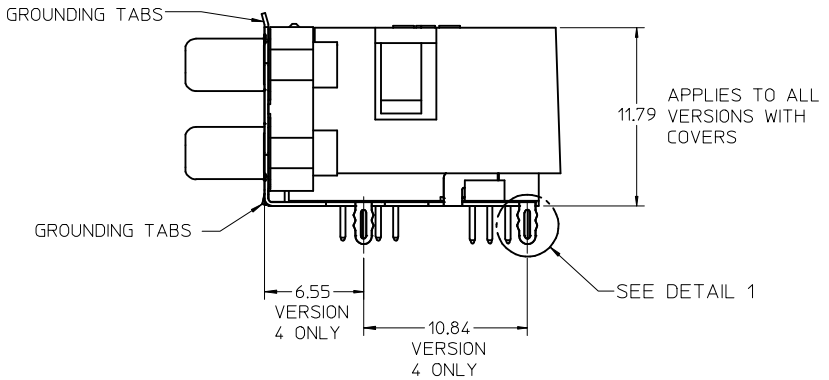


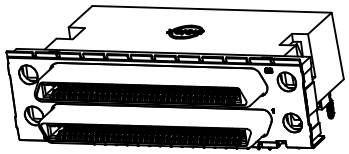




NOTES:

1. MATERIALS:
   - HOUSING, COVER, AND TAIL ALIGNER: GLASS FILLED LIQUID CRYSTAL POLYMER (LCP), UL94V-0 RATED, COLOR: BLACK
   - TERMINAL: PHOSPHOR BRONZE ALLOY
   - BRACKET: BRASS
   - SHELL: STEEL
   - INSERT: BRASS
2. FINISHES:
   - TERMINAL: 0.76 MICROMETER MINIMUM GOLD IN THE CRITICAL CONTACT AREA, 2.54 MICROMETERS MINIMUM MATTE TIN IN THE SOLDER TAIL AREA, ALL OVER A 1.27 MICROMETER MINIMUM NICKEL UNDERPLATE
   - BRACKET: 1.01 TO 2.54 MICROMETER MATTE TIN
   - SHIELD: 2.54 MICROMETERS MINIMUM NICKEL
   - INSERT: 2.54 MICROMETERS MINIMUM NICKEL
3. PRODUCT SPECIFICATION: PS-71425-9999.
4. PACKAGING SPECIFICATION: TRAY PACK PER PK-74337-001.
5. APPLICABLE STANDARDS: EIA-700A0AF AND SFF-8441.
6. DATE CODE: YR/WK PER EIA-476-A.
7. PRODUCT COMPLIES WITH COSMETIC SPECIFICATION PS-45499-002. SEE FIGURE AT LEFT FOR SURFACE CLASSIFICATIONS.
8. TORQUE TO INSTALL SCREWLOCKS INTO THREADED INSERTS: 0.34 Nm MAXIMUM.





VERSION 4, WITH COVER SHOWN ON THIS SHEET

CLARIFY PART VERSIONS
EC NO: UCP2016-0077 2015/07/08
DRWN:SVANG01 2015/07/08
CHKD:BBARKER 2015/08/13
APPR:SMILLER
DESCRIPTION
REV G

QUALITY SYMBOLS
=0
=0
=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.13	± ---
1 PLACE	± 0.25	± ---
0 PLACE	± ---	± ---
ANGULAR ± 1 °		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY
SCALE: 3:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

DRAWN BY: BBARKER DATE: 6/19/2009
CHECKED BY: MIBARRA DATE: 6/19/2009
APPROVED BY: SMILLER DATE: 2010/03/31
MATERIAL NO.: SEE TABLE

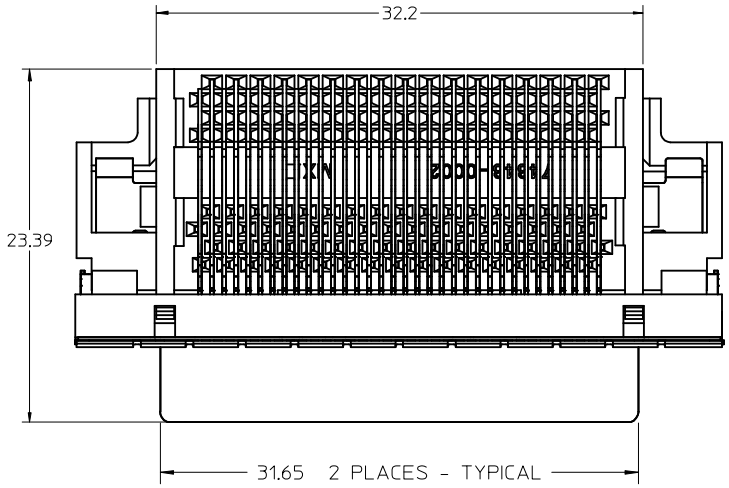
TITLE: VHDCI DUAL STACK RECEPTACLE ASSEMBLY NO BRIGHT TIN

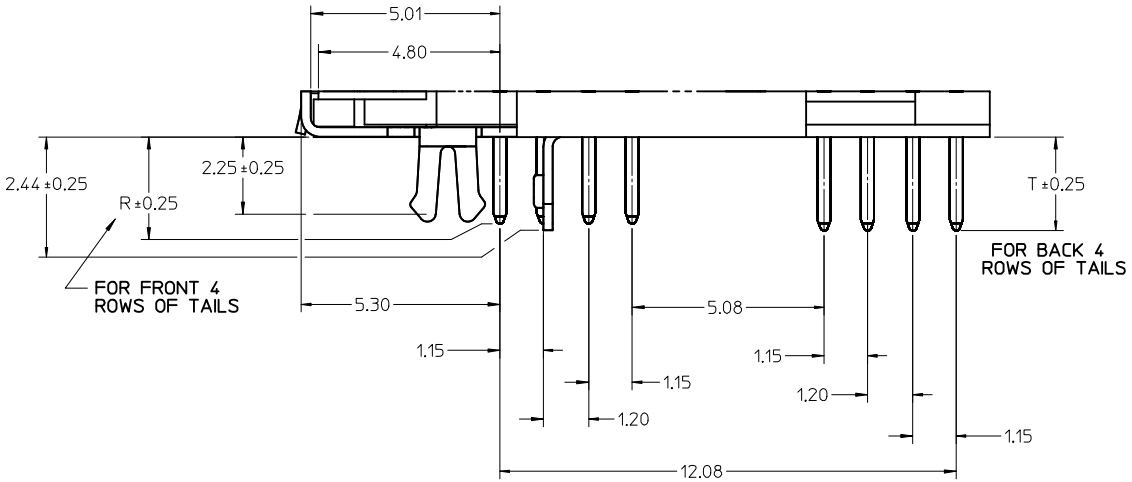
molex

DOCUMENT NO.: SD-74337-017
SHEET NO.: 1 OF 4

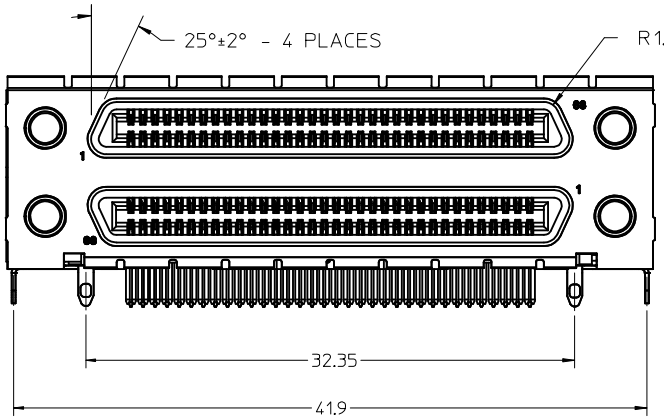
SIZE C

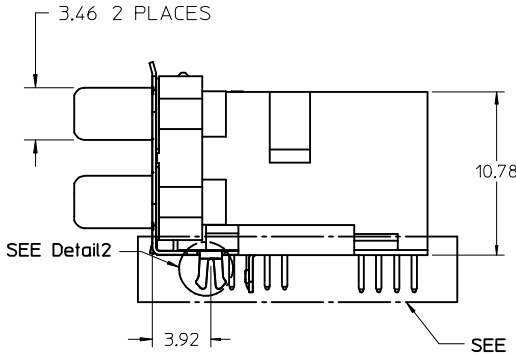
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

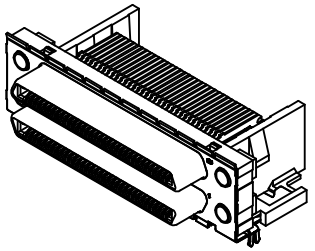


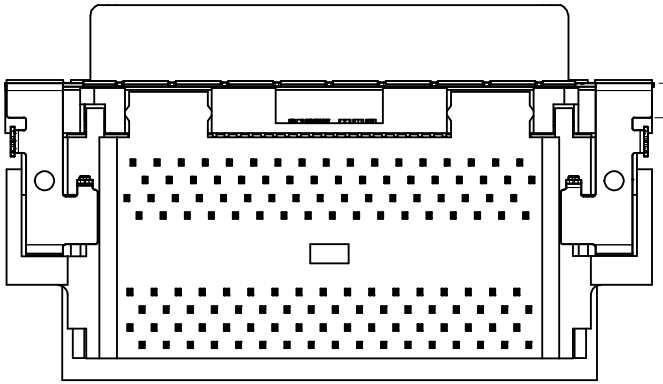


Detail1
SCALE 10:1









VERSION 1, WITHOUT COVER SHOWN ON THIS SHEET

NOTE: DIMENSIONS SHOWN ON SHEET 1 APPLY EXCEPT AS NOTED.

SEE SHEET 1
EC NO: UCP2016-0077 2015/07/08
DRWN:SVANG01 2015/07/08
CH'KD:BBARKER 2015/08/13
APPR:SMILLER
DESCRIPTION
REV: G

QUALITY SYMBOLS
=0
=0
=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.13	± ---
1 PLACE	± 0.25	± ---
0 PLACE	± ---	± ---

ANGULAR ± 1 °

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE	MM ONLY
SCALE	4:1
DESIGN UNITS	METRIC
	THIRD ANGLE PROJECTION
DRAWN BY	BBARKER
DATE	6/19/2009
CHECKED BY	MIBARRA
DATE	6/19/2009
APPROVED BY	SMILLER
DATE	2010/03/31
MATERIAL NO.	SEE TABLE
SIZE	C

TITLE: VHDCI DUAL STACK RECEPTACLE ASSEMBLY NO BRIGHT TIN

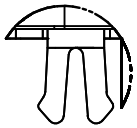
molex

DOCUMENT NO. SD-74337-017

SHEET NO. 2 OF 4

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

VERSION 1 PART NUMBERS

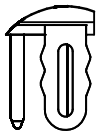


DETAIL 2
(BACKGROUND OMITTED FOR CLARITY)

BOARD RETENTION: SNAP FIT

PCB THICKNESS	COVER	R DIM.	T DIM.	INCLUDES LOOSE PACKED SCREWLOCKS 71433-0002 SEE DRAWING SD-71433-005	GROUNDING TABS	PART NUMBER
1.60±0.16	YES	2.30	2.48	NO	YES	
1.60±0.16	YES	2.08		NO	YES	
1.60±0.16	NO	2.30	2.48	NO	YES	74337-4015
1.60±0.16	NO	2.08		NO	YES	
1.60±0.16	YES	2.30	2.48	YES	YES	
1.60±0.16	YES	2.08		YES	YES	
1.60±0.16	NO	2.30	2.48	YES	YES	
1.60±0.16	NO	2.08		YES	YES	
2.36±0.16	YES	3.44	3.62	NO	YES	
2.36±0.16	NO	3.44	3.62	NO	YES	74337-4071
2.36±0.16	YES	3.44	3.62	YES	YES	
2.36±0.16	NO	3.44	3.62	YES	YES	
1.60±0.16	YES	2.08		INSTALLED ON PART	YES	

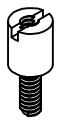
VERSION 4 PART NUMBERS



DETAIL 1
(BACKGROUND OMITTED FOR CLARITY)

BOARD RETENTION: PRESS FIT

PCB THICKNESS	COVER	R DIM.	T DIM.	INCLUDES LOOSE PACKED SCREWLOCKS 71433-0002 SEE DRAWING SD-71433-005	GROUNDING TABS	PART NUMBER
1.60±0.16	YES	2.30	2.48	NO	YES	
1.60±0.16	YES	2.08		NO	NO	
1.60±0.16	NO	2.30	2.48	NO	YES	
1.60±0.16	NO	2.08		NO	YES	
1.60±0.16	YES	2.08		NO	YES	
1.60±0.16	YES	2.30	2.48	YES	YES	
1.60±0.16	YES	2.08		YES	YES	
1.60±0.16	NO	2.30	2.48	YES	YES	
1.60±0.16	NO	2.08		YES	YES	
2.36±0.16	YES	3.44	3.62	NO	YES	
2.36±0.16	NO	3.44	3.62	NO	YES	
2.36±0.16	YES	3.44	3.62	YES	YES	
2.36±0.16	NO	3.44	3.62	YES	YES	
1.60±0.16	YES	2.08		INSTALLED ON PART	YES	



OPTIONAL SCREWLOCK
71433-0002

SEE SHEET 1
EC NO: UCP2016-0077 2015/07/08
DRWN:SVANG01 2015/07/08
CHKD:BBARKER 2015/08/13
APPR:SMILLER
DESCRIPTION
REV
G

QUALITY SYMBOLS
E =0
F =0
P =0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.13	± ---
1 PLACE	± 0.25	± ---
0 PLACE	± ---	± ---
ANGULAR ± 1 °		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY
SCALE: 3:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

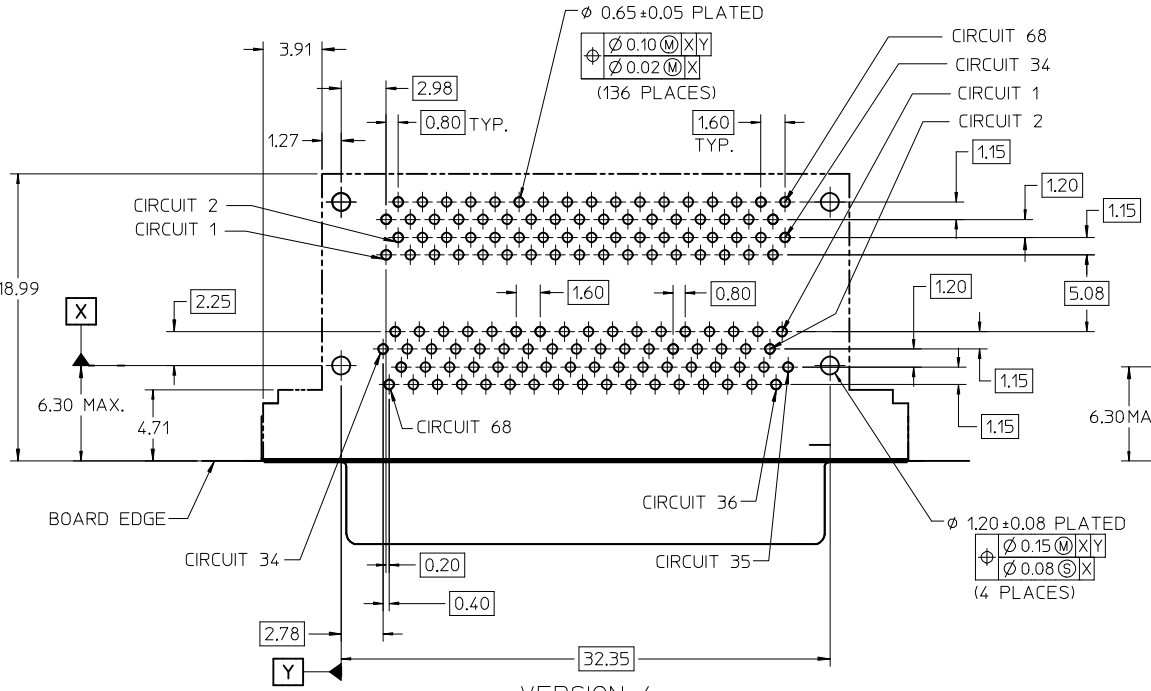
DRAWN BY: BBARKER DATE: 6/19/2009
CHECKED BY: MIBARRA DATE: 6/19/2009
APPROVED BY: SMILLER DATE: 2010/03/31
MATERIAL NO.: SEE TABLE

TITLE: VHDCI DUAL STACK RECEPTACLE ASSEMBLY NO BRIGHT TIN

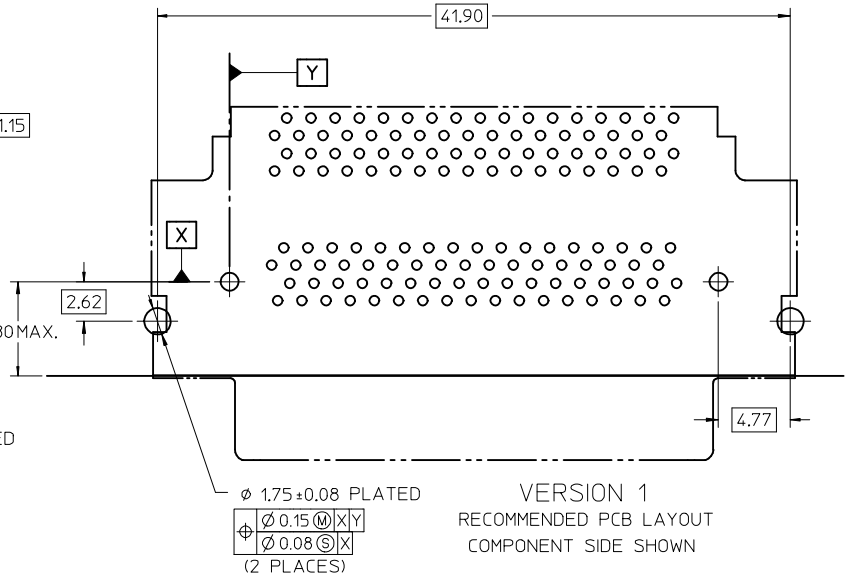
molex

DOCUMENT NO.: SD-74337-017
SHEET NO.: 3 OF 4
SIZE: C

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

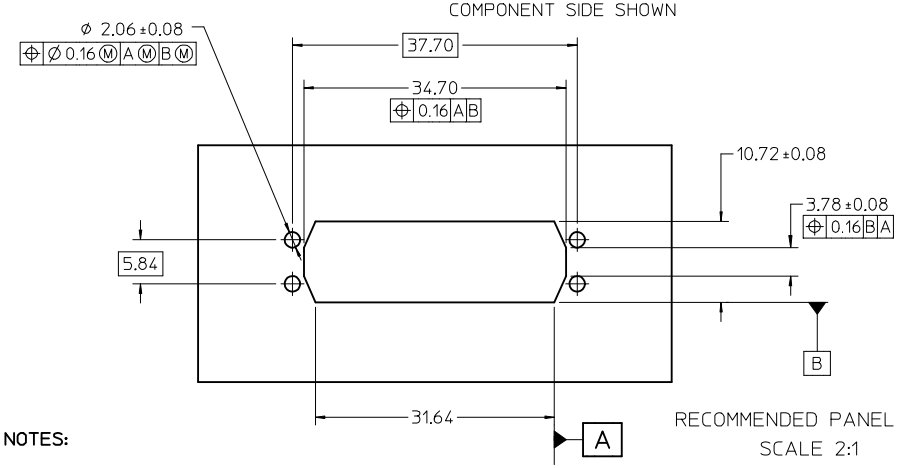


VERSION 4
RECOMMENDED PCB LAYOUT
COMPONENT SIDE SHOWN

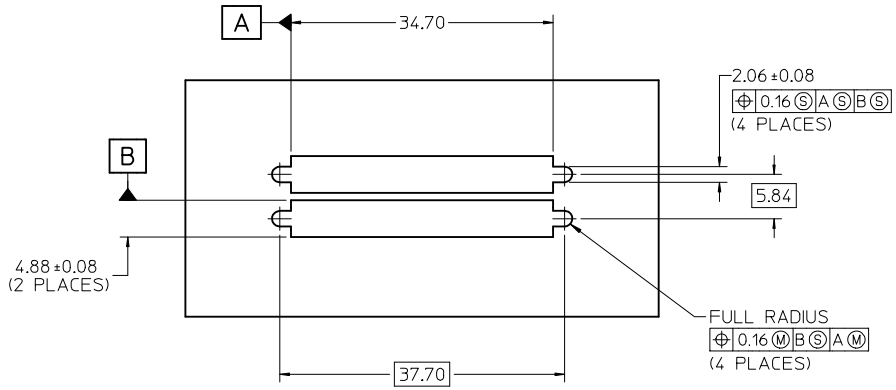


VERSION 1
RECOMMENDED PCB LAYOUT
COMPONENT SIDE SHOWN

SAME AS VERSION 4 EXCEPT AS SHOWN



RECOMMENDED PANEL OPENING
SCALE 2:1



PANEL OPENING PER SFF-8441 SPECIFICATION
SCALE 2:1

NOTES:

1. FOR FULL MATE WITH PLUG, PANEL THICKNESS SHOULD NOT EXCEED 1.0mm.

   FUNCTIONAL MATING WITH MOLEX PLUG CAN STILL BE MAINTAINED WITH PANELS AS THICK AS 2.5mm (BUT PLUG AND RECEPTACLE WILL NOT BE FULLY MATED).

2. GUIDELINES FOR CHOOSING A MOLEX SCREWLOCK:

PANEL THICKNESS	RECOMMENDED SCREWLOCK
LESS THAN OR EQUAL TO 1.00 MM	71433-0002
1.01 TO 2.15 MM	71433-0010

SEE SHEET 1
EC NO: UCP2016-0077 2015/07/08
DRWN:SVANG01 2015/07/08
CHKD:BBARKER 2015/08/13
APPR:SMILLER
DESCRIPTION
G
REV

QUALITY SYMBOLS
FV =0
FE =0
FP =0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.13	± ---
1 PLACE	± 0.25	± ---
0 PLACE	± ---	± ---
ANGULAR ± 1 °		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE	MM ONLY
SCALE	3:1
DESIGN UNITS	METRIC
	THIRD ANGLE PROJECTION
DRAWN BY / DATE	BBARKER 6/19/2009
CHECKED BY / DATE	MIBARRA 6/19/2009
APPROVED BY / DATE	SMILLER 2010/03/31
MATERIAL NO.	SEE TABLE
TITLE	VHDCI DUAL STACK RECEPTACLE ASSEMBLY NO BRIGHT TIN
DOCUMENT NO.	SD-74337-017
SHEET NO.	4 OF 4
SIZE	C

molex

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