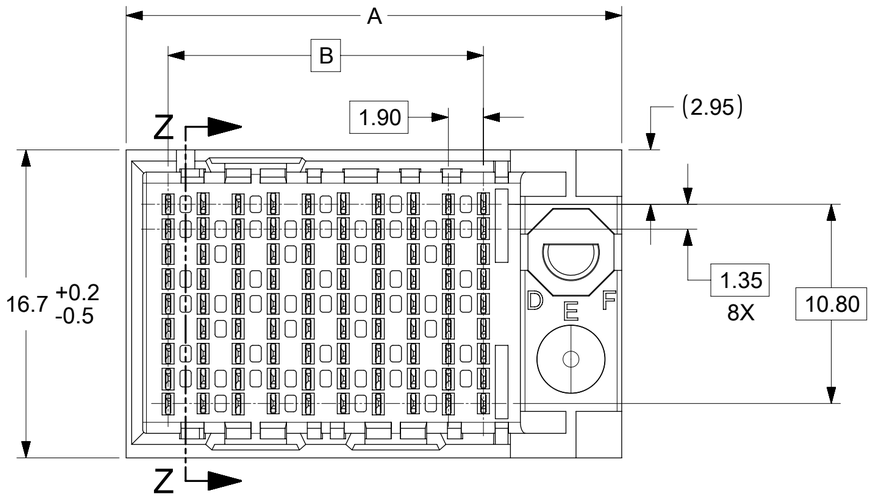
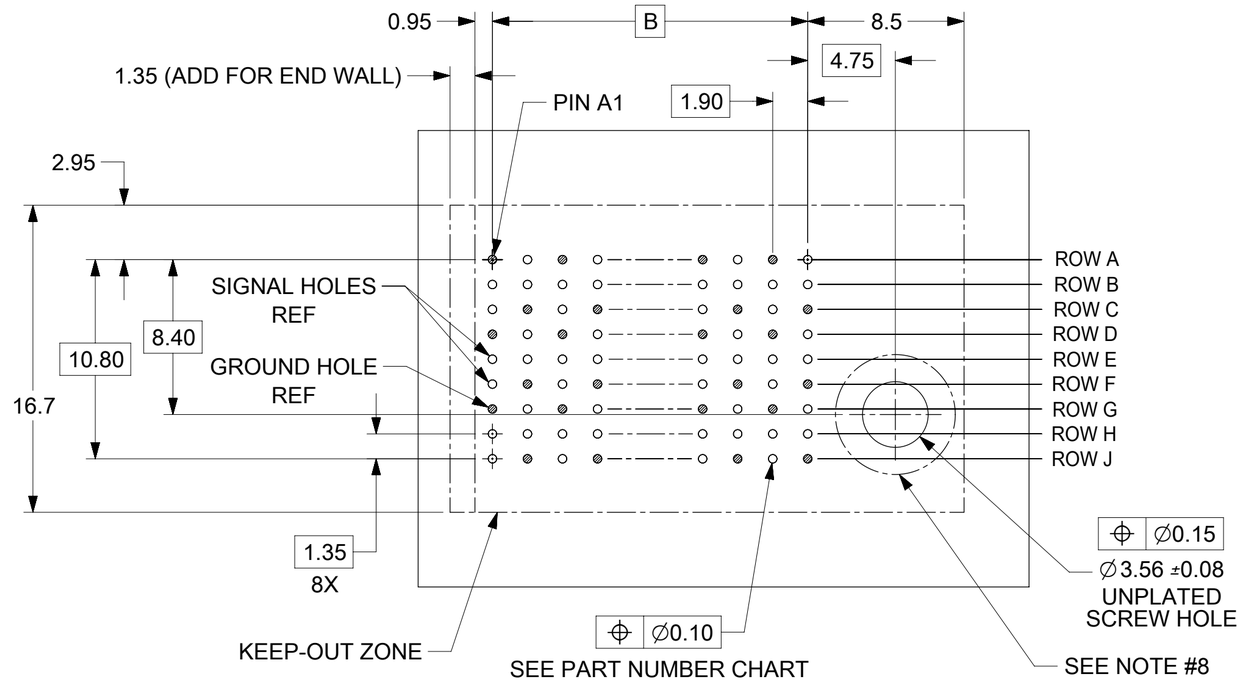
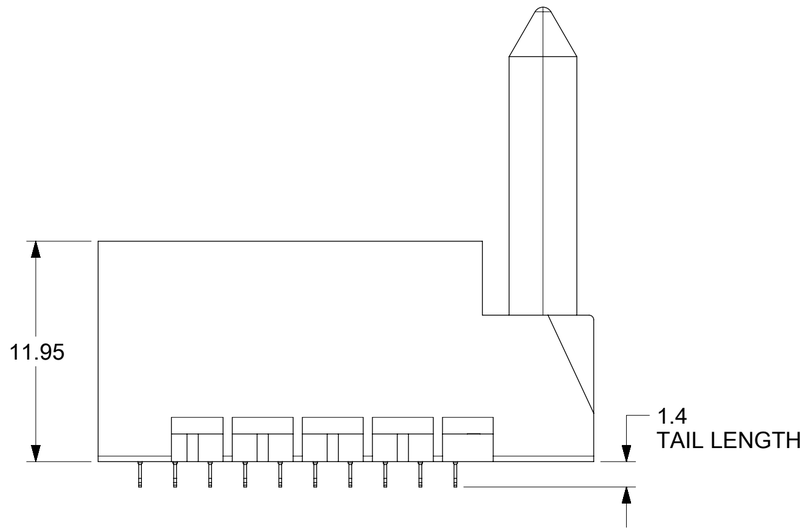
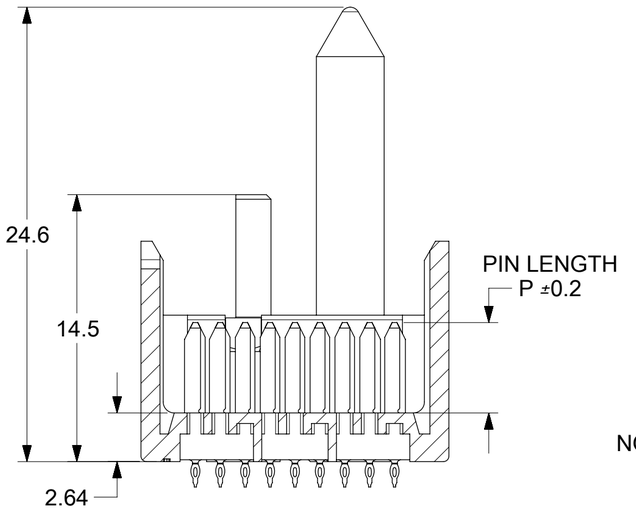


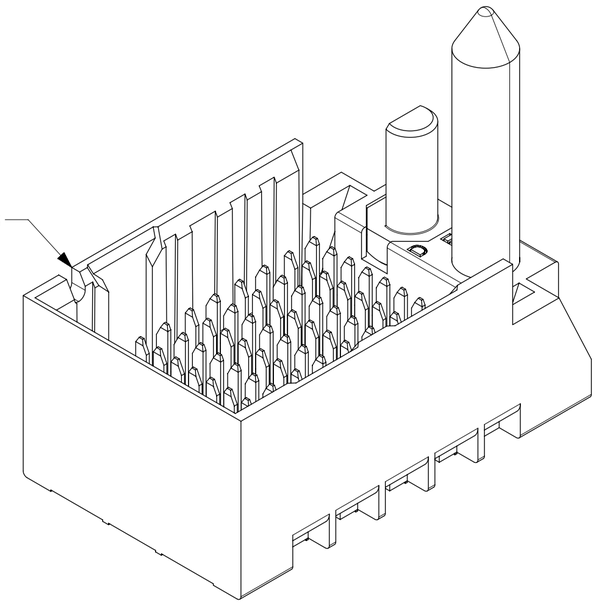


RIGHT GUIDED
BACKPLANE HOLE PATTERN
(CONNECTOR SIDE)
SEE NOTE 5





SECTION Z-Z



NOTES:

1. MATERIALS: HOUSING - LIQUID CRYSTAL POLYMER (LCP)
   GLASS-FILLED, UL94V-0
   TERMINALS - HIGH PERFORMANCE COPPER ALLOY
2. FINISH: 30µ INCH MIN GOLD IN CONTACT AREA.
   SELECTIVE MATTE TIN ON PCB TAILS, NICKEL OVERALL.
3. REFER TO MOLEX PRODUCT SPECIFICATION PS-170540-999
   FOR PERFORMANCE SPECIFICATIONS AND ADDITIONAL PCB INFORMATION.
4. THIS PART CONFORMS TO CLASS B REQUIREMENTS OF MOLEX COSMETIC SPEC PS-45499-002.
5. "THESE DIMENSIONS REPRESENT THE AREA NEEDED TO ACCOMMODATE CONNECTOR INSERTION AND REPAIR ON THE PC BOARD. THIS IS REFERRED TO AS THE "CONNECTOR KEEP OUT ZONE" AND DOES NOT REPRESENT THE ACTUAL PERIMETER OF THE CONNECTOR. WHEN LAYING OUT A PC BOARD FOR CONNECTORS STACKED TOGETHER, USE A 1.9mm PROGRESSION.'"
6. PACKAGE PER: PK-70873-758.
7. SEE SHEETS 2 & 3 FOR PART NUMBERS AND BOARD RELATIONSHIPS.
8. FOR GROUNDED GUIDE PINS USE ∅ 3.56 +/-0.08 (PTH) ∅ 3.66 (DRILL) & ∅ 6.5 (PAD).
9. REFER TO MOLEX PCB ROUTING GUIDE AS-76060-990 FOR ANTIPAD AND ROUTING RECOMMENDATIONS.
10. CONNECTORS SUPPLIED WITH A 2-56 UNC-2A SCREW, MOLEX P/N 73774-1000.
11. MINIMUM CIRCUIT BOARD THICKNESS: 1.0mm
12. KEEP OUT ZONE FOR BP HOUSING LENGTH INCLUDES AN ADDITIONAL 1.0mm TO ACCOMMODATE FOR SPACE REQUIRED BY DC FRONT HOUSING.

RELEASE STATUS	P1	RELEASE DATE	28.11.2017	05:20:57

FORMAT: master-tb-prod-C
REVISION: G
DATE: 2015/02/06

QUALITY SYMBOLS

= 0 (5 symbols)
= 0 (2 symbols)

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

MIGRATED TO NX
EC NO: 168628 2017/11/09
DRWN: KUCHILA 2017/11/27
CHK'D: PRAMASWAMY 2017/11/28
APPR: PRAMASWAMY

GENERAL TOLERANCES (UNLESS SPECIFIED)
ANGULAR TOL ± 0.5 °
4 PLACES ±
3 PLACES ±
2 PLACES ± 0.13
1 PLACE ± 0.25
0 PLACES ±
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

REV D3

DIMENSION UNITS: mm
SCALE: 4:1
DRWN BY: DMORGAN DATE: 2014/07/21
CHK'D BY: MPOFF DATE: 2014/07/21
APPR BY: SMILLER DATE: 2014/08/04
DRAWING SIZE: C
THIRD ANGLE PROJECTION

molex®

IMPACT 3-PAIR 85-OHM
RIGHT GUIDED BACKPLANE SALES ASSEMBLY DRAWING

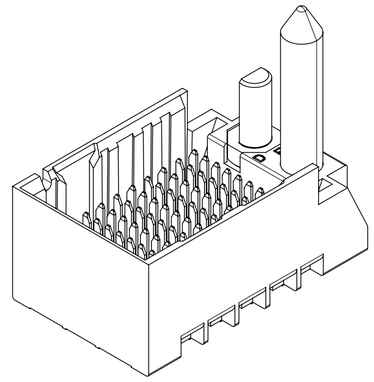
PRODUCT CUSTOMER DRAWING

SERIES	MATERIAL NUMBER	CUSTOMER
170525	SEE CHART	GENERAL MARKET

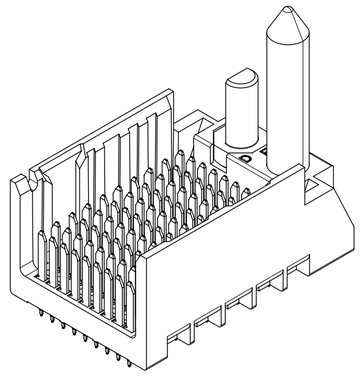
DOCUMENT NUMBER	DOC TYPE	DOC PART	SHEET NUMBER
SD-170525-0003	PSD	001	1 OF 3

PART NUMBER CHART

MATERIAL NUMBER	# OF COLUMNS	# OF DIFF PAIR	DIM "A"	DIM "B"	
170525-98**	8	24	23.1	13.30	GUIDE RIGHT END WALL OPTION
170525-91**	10	30	26.9	17.10	
170525-92**	12	36	30.7	20.90	
170525-96**	16	48	38.3	28.50	



MATERIAL NUMBER	# OF COLUMNS	# OF DIFF PAIR	DIM "A"	DIM "B"	
170525-58**	8	24	21.7	13.30	GUIDE RIGHT OPEN WALL OPTION
170525-51**	10	30	25.5	17.10	
170525-52**	12	36	29.3	20.90	
170525-56**	16	48	36.9	28.50	



PART NUMBER LOGIC

170525- * * * *

MODULE TYPE
5 = GUIDE RIGHT, MATTE TIN
9 = GUIDE RIGHT END WALL, MATTE TIN

# OF COLUMNS
1 = 10 COL
2 = 12 COL
6 = 16 COL
8 = 8 COL

KEY ORIENTATION
0 = NO KEY
1 = A
2 = B
3 = C
4 = D
5 = E
6 = F
7 = G
8 = H

PIN LENGTH (P)
3 = 4.50 (SHORT COMPLIANT, 0.46±0.05 PTH)
4 = 4.90 (SHORT COMPLIANT, 0.46±0.05 PTH)
5 = 5.50 (SHORT COMPLIANT, 0.46±0.05 PTH)
6 = 4.50 (MICRO COMPLIANT, 0.39±0.05 PTH)
7 = 4.90 (MICRO COMPLIANT, 0.39±0.05 PTH)
8 = 5.50 (MICRO COMPLIANT, 0.39±0.05 PTH)

QUALITY SYMBOLS
= 0
= 0
= 0
= 0
= 0
= 0
= 0
= 0

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

MIGRATED TO NX
EC NO: 168628 2017/11/09
DRWN: KUCHILA 2017/11/27
CHK'D: PRAMASWAMY 2017/11/28
APPR: PRAMASWAMY
REV D3

GENERAL TOLERANCES (UNLESS SPECIFIED)

ANGULAR TOL ± 0.5 °	
4 PLACES	±
3 PLACES	±
2 PLACES	± 0.13
1 PLACE	± 0.25
0 PLACES	±

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION UNITS	mm
SCALE	2.5:1
DRWN BY	DMORGAN
DATE	2014/07/21
CHK'D BY	MPOFF
DATE	2014/07/21
APPR BY	SMILLER
DATE	2014/08/04
DRAWING SIZE	C
THIRD ANGLE PROJECTION	

molex

IMPACT 3-PAIR 85-OHM
RIGHT GUIDED BACKPLANE SALES ASSEMBLY
DRAWING

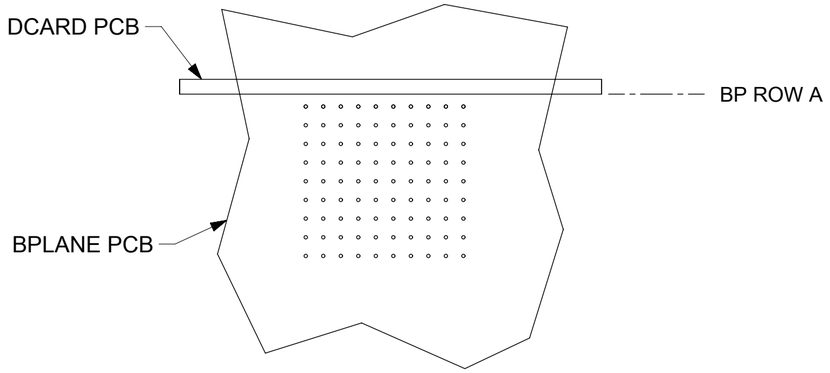
PRODUCT CUSTOMER DRAWING

SERIES	MATERIAL NUMBER	CUSTOMER
170525	SEE CHART	GENERAL MARKET

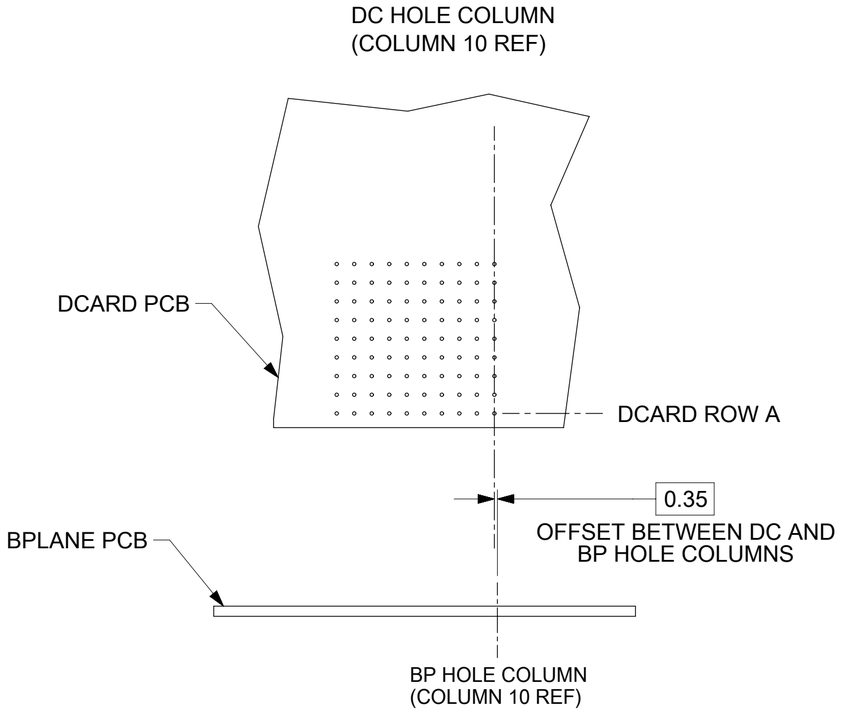
DOCUMENT NUMBER	DOC TYPE	DOC PART	SHEET NUMBER
SD-170525-0003	PSD	001	2 OF 3

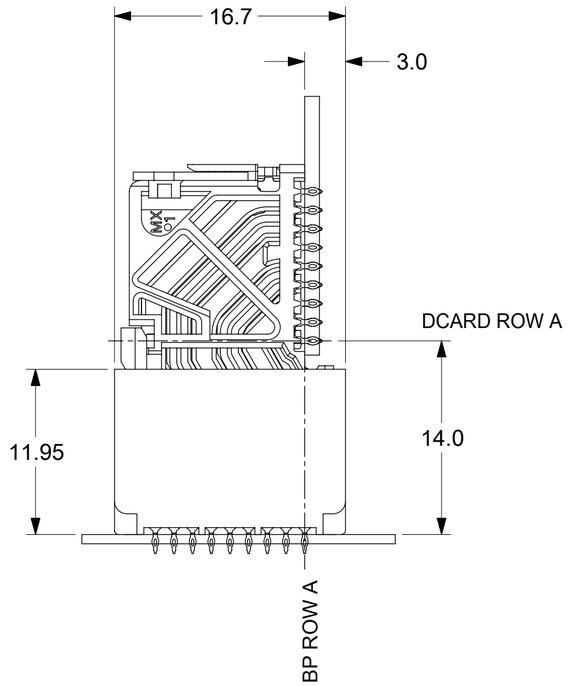
RELEASE STATUS	P1	RELEASE DATE	28.11.2017 05:20:57

FORMAT: master-tb-prod-C
REVISION: G
DATE: 2015/02/06



IMPACT 3 PAIR BOARD RELATIONSHIPS





QUALITY SYMBOLS	
▽ = 0	
▽ = 0	
▽ = 0	
▼ = 0	
▽ = 0	
☒ = 0	
■ = 0	
▽ = 0	

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

MIGRATED TO NX
EC NO: 168628 2017/11/09
DRWN: KUCHILA 2017/11/27
CHK'D: PRAMASWAMY 2017/11/28
APPR: PRAMASWAMY

GENERAL TOLERANCES (UNLESS SPECIFIED)

ANGULAR TOL ± 0.5 °	
4 PLACES	±
3 PLACES	±
2 PLACES	± 0.13
1 PLACE	± 0.25
0 PLACES	±

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

REV: D3

DIMENSION UNITS	SCALE
mm	3:1
DRWN BY	DATE
DMORGAN	2014/07/21
CHK'D BY	DATE
MPOFF	2014/07/21
APPR BY	DATE
SMILLER	2014/08/04
DRAWING SIZE	THIRD ANGLE PROJECTION
C	

molex®

IMPACT 3-PAIR 85-OHM
RIGHT GUIDED BACKPLANE SALES ASSEMBLY
DRAWING

PRODUCT CUSTOMER DRAWING

SERIES	MATERIAL NUMBER	CUSTOMER
170525	SEE CHART	GENERAL MARKET

DOCUMENT NUMBER	DOC TYPE	DOC PART	SHEET NUMBER
SD-170525-0003	PSD	001	3 OF 3

RELEASE STATUS	P1	RELEASE DATE	28.11.2017 05:20:57

FORMAT: master-tb-prod-C
REVISION: G
DATE: 2015/02/06