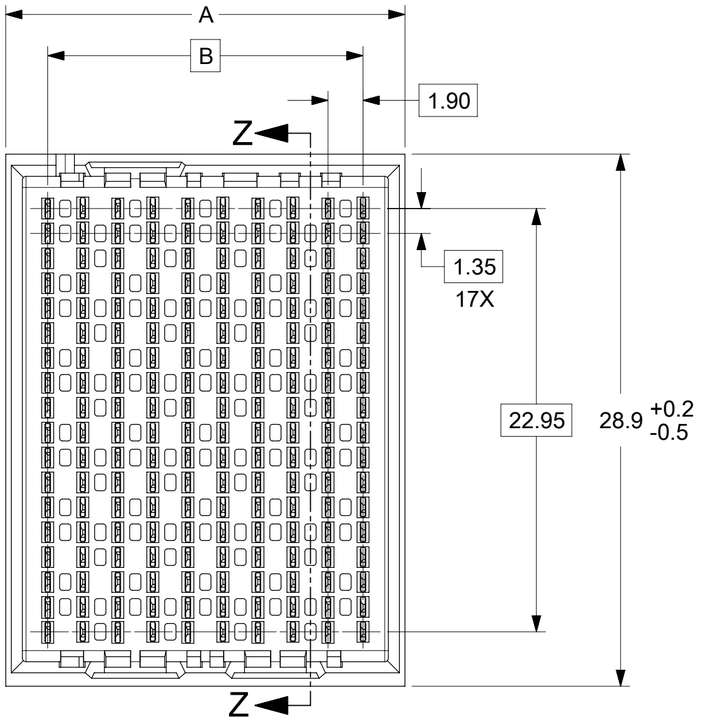
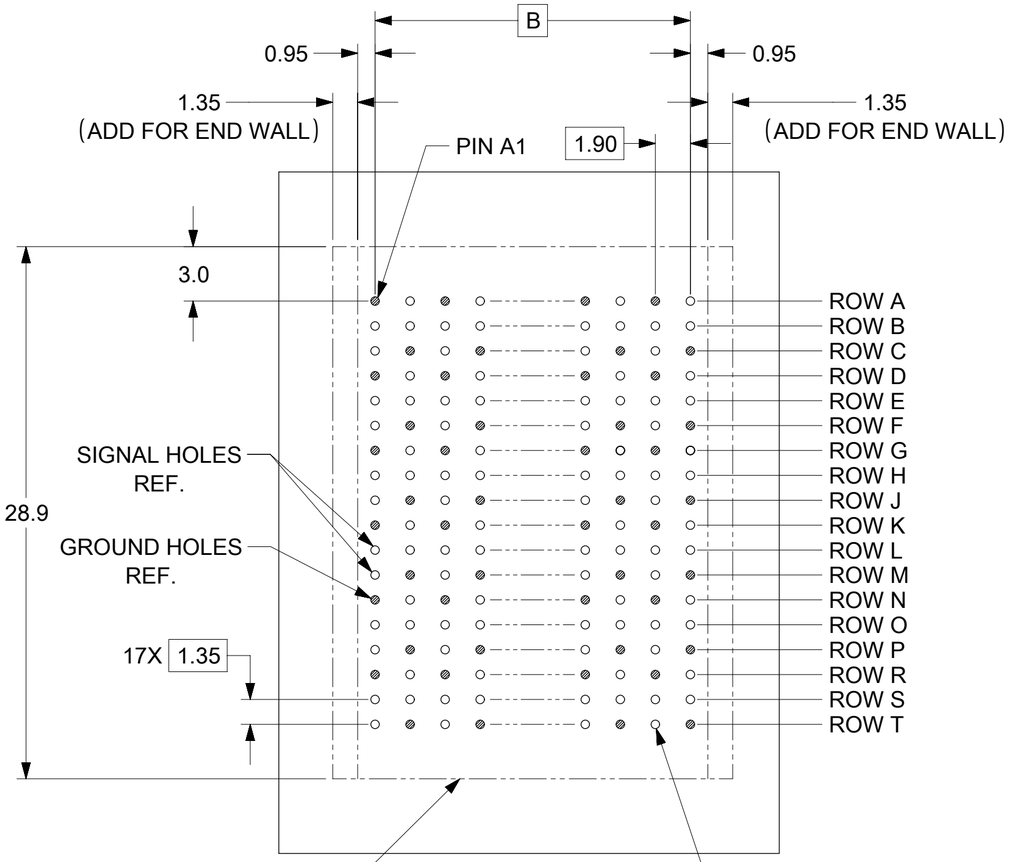
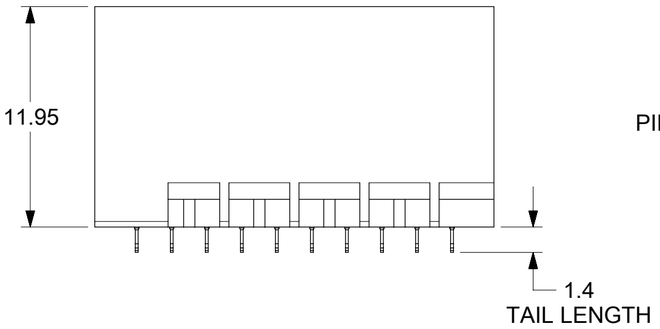
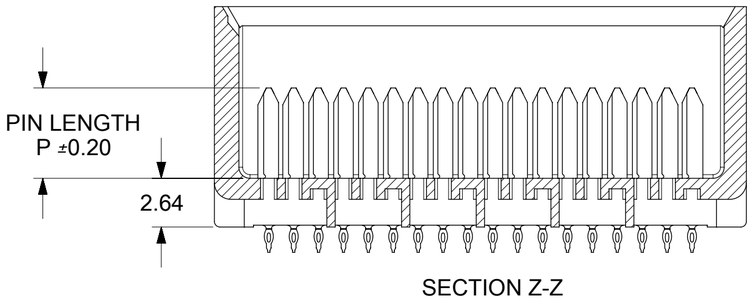
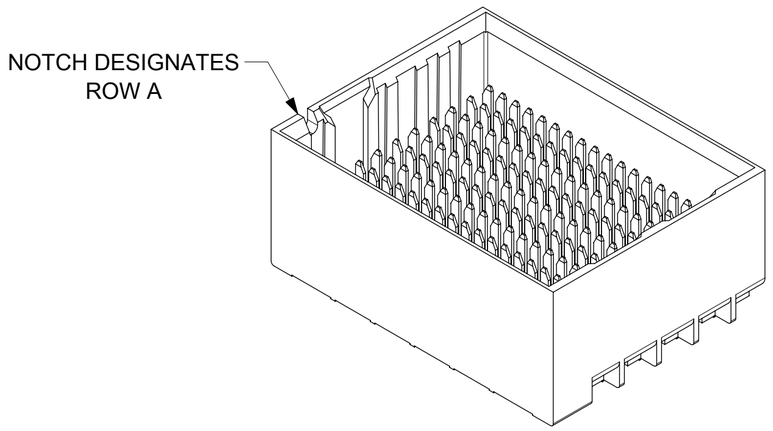










NOTES:

1. MATERIALS: HOUSING - LIQUID CRYSTAL POLYMER (LCP)
   GLASS-FILLED, UL94V-0
   TERMINALS - HIGH PERFORMANCE COPPER ALLOY
2. FINISH: 30µ IN MIN. GOLD IN CONTACT AREA, ELECTIVE 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. PARTS PACKAGED PER PK-70873-7703.
6. SEE SHEETS 2 & 3 FOR PART NUMBERS AND BOARD RELATIONSHIPS.
7. MINIMUM CIRCUIT BOARD THICKNESS: 1.0mm
8. REFER TO MOLEX PCB ROUTING GUIDE AS-76060-990 FOR ANTIPAD AND
   ROUTING RECOMMENDATIONS.
9. "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 STACK TOGETHER, USE A 1.9mm PROGRESSION."

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

MIGRATED TO NX	2017/10/12	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION UNITS: MM; SCALE: 4:1
EC NO: 168852	2017/11/30	ANGULAR TOL ± 2.0 °	DRWN BY: JBINGHAM; DATE: 2010/09/24
DRWN: ABABU01	2017/12/01	4 PLACES ±	CHK'D BY: JLAURX; DATE: 2010/09/24
CHK'D: CD		3 PLACES ±	APPR BY: JLAURX; DATE: 2013/02/07
APPR: GGA		2 PLACES ± 0.13	DRAWING SIZE: C; THIRD ANGLE PROJECTION
REV: E1		1 PLACE ± 0.25	
		0 PLACES ±	
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	

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IMPACT 6-PAIR 85-OHM
UNGUIDED BACKPLANE SALES ASSEMBLY
DRAWING

PRODUCT CUSTOMER DRAWING

SERIES	MATERIAL NUMBER	CUSTOMER
170535	SEE CHART	GENERAL MARKET

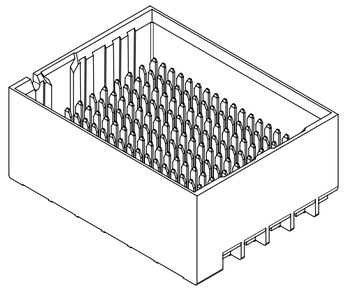
DOCUMENT NUMBER	DOC TYPE	DOC PART	SHEET NUMBER
SD-170535-0001	PSD	001	1 OF 3

RELEASE STATUS	P1	RELEASE DATE	01.12.2017	12:29:14

PART NUMBER CHART

MATERIAL NUMBER	# OF COLUMNS	# OF DIFF. PAIR	DIM. A	DIM. B
170535-182*	8	48	17.9	13.30
170535-112*	10	60	21.7	17.10
170535-142*	14	84	29.3	24.70
170535-162*	16	96	33.1	28.50

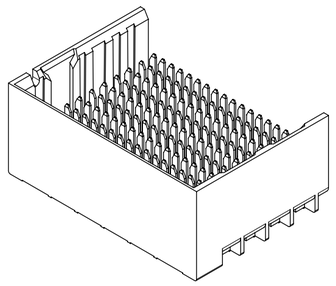
DUAL END WALL OPTION



DUAL END WALL OPTION

MATERIAL NUMBER	# OF COLUMNS	# OF DIFF. PAIR	DIM. A	DIM. B
170535-181*	8	48	16.5	13.30
170535-111*	10	60	20.3	17.10
170535-141*	14	84	27.9	24.70
170535-161*	16	96	31.7	28.50

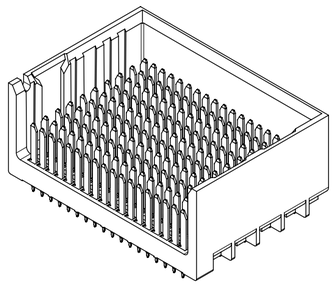
LEFT END WALL OPTION



LEFT END WALL OPTION

MATERIAL NUMBER	# OF COLUMNS	# OF DIFF. PAIR	DIM. A	DIM. B
170535-183*	8	48	16.5	13.30
170535-113*	10	60	20.3	17.10
170535-143*	14	84	27.9	24.70
170535-163*	16	96	31.7	28.50

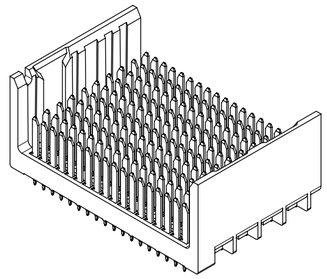
RIGHT END WALL OPTION



RIGHT END WALL OPTION

MATERIAL NUMBER	# OF COLUMNS	# OF DIFF. PAIR	DIM. A	DIM. B
170535-180*	8	48	15.1	13.30
170535-110*	10	60	18.9	17.10
170535-140*	14	84	26.5	24.70
170535-160*	16	96	30.3	28.50

OPEN WALL OPTION



OPEN WALL OPTION

PART NUMBER LOGIC

170535-****

MODULE TYPE
1 = UNGUIDED, MATTE TIN

# OF COLUMNS
8 = 8 COLUMN
1 = 10 COLUMN
4 = 14 COLUMN
6 = 16 COLUMN

END WALL OPTIONS
0 = OPEN ENDS
1 = LEFT END WALL
2 = DUAL END WALL
3 = RIGHT END WALL

P = PIN LENGTH
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)

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

MIGRATED TO NX
2017/10/12
2017/11/30
2017/12/01
EC NO: 168852
DRWN: ABABU01
CHK'D: CD
APPR: GGA

GENERAL TOLERANCES (UNLESS SPECIFIED)
ANGULAR TOL ± 2.0 °
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: 2:1
DRWN BY: JBINGHAM DATE: 2010/09/24
CHK'D BY: JLAURX DATE: 2010/09/24
APPR BY: JLAURX DATE: 2013/02/07
DRAWING SIZE: C
THIRD ANGLE PROJECTION

REV: E1

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IMPACT 6-PAIR 85-OHM
UNGUIDED BACKPLANE SALES ASSEMBLY
DRAWING

PRODUCT CUSTOMER DRAWING

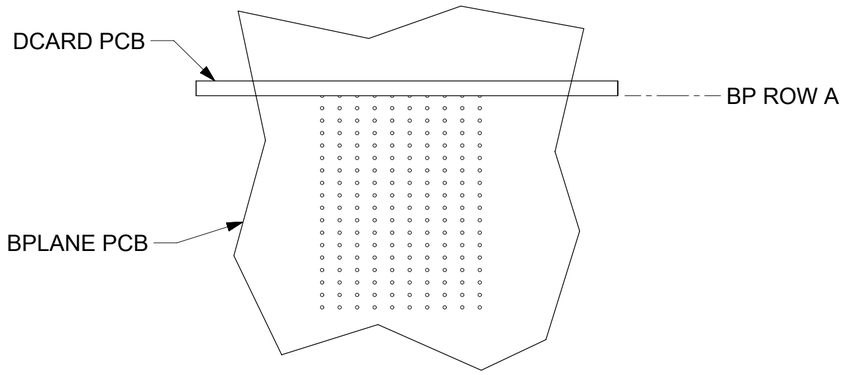
SERIES	MATERIAL NUMBER	CUSTOMER
170535	SEE CHART	GENERAL MARKET

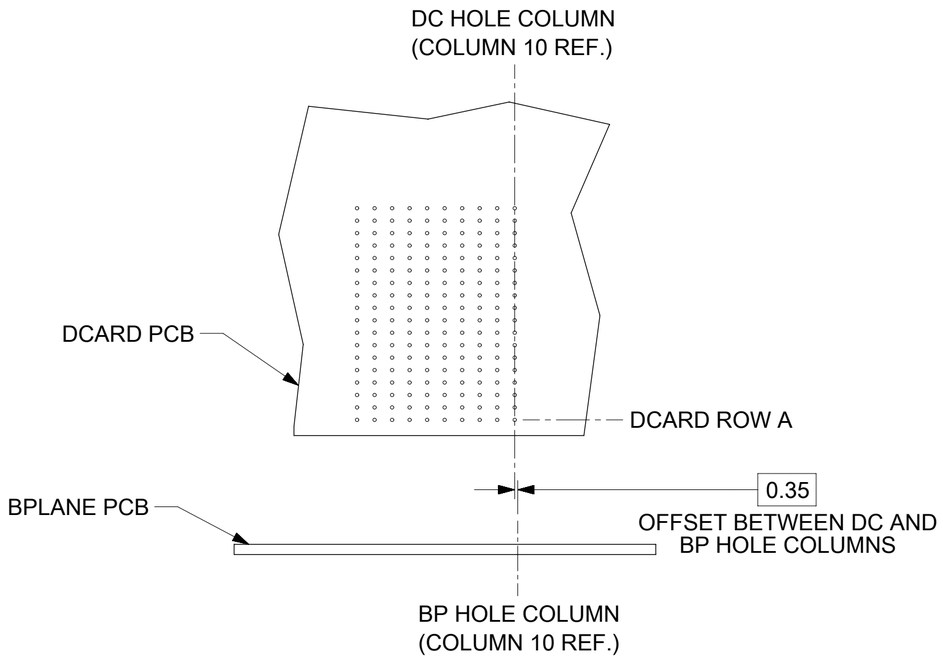
DOCUMENT NUMBER	DOC TYPE	DOC PART	SHEET NUMBER
SD-170535-0001	PSD	001	2 OF 3

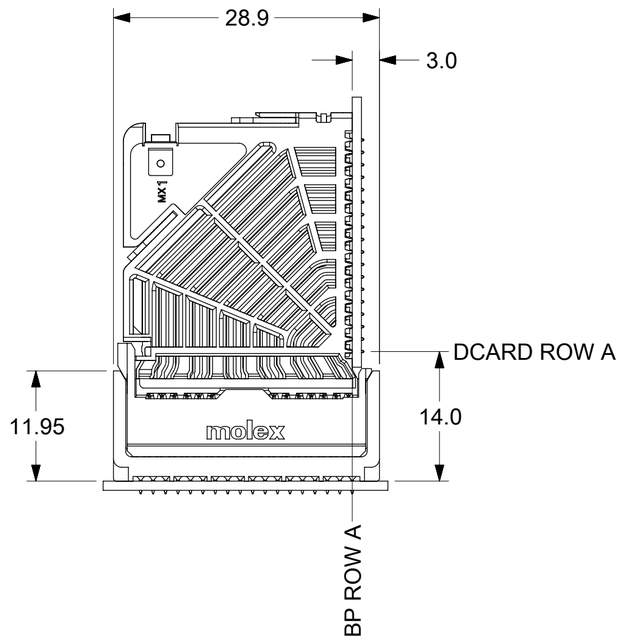
RELEASE STATUS	P1	RELEASE DATE	01.12.2017 12:29:14

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

IMPACT 6 PAIR
BOARD RELATIONSHIPS







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

MIGRATED TO NX	2017/10/12		
EC NO: 168852	2017/11/30		
DRWN: ABABU01	2017/12/01		
CHK'D: CD			
APPR: GGA			

GENERAL TOLERANCES (UNLESS SPECIFIED)

ANGULAR TOL	±	2.0 °
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	2:1
DRWN BY	JBINGHAM
DATE	2010/09/24
CHK'D BY	JLAURX
DATE	2010/09/24
APPR BY	JLAURX
DATE	2013/02/07
DRAWING SIZE	C
THIRD ANGLE PROJECTION	

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IMPACT 6-PAIR 85-OHM
UNGUIDED BACKPLANE SALES ASSEMBLY
DRAWING

PRODUCT CUSTOMER DRAWING

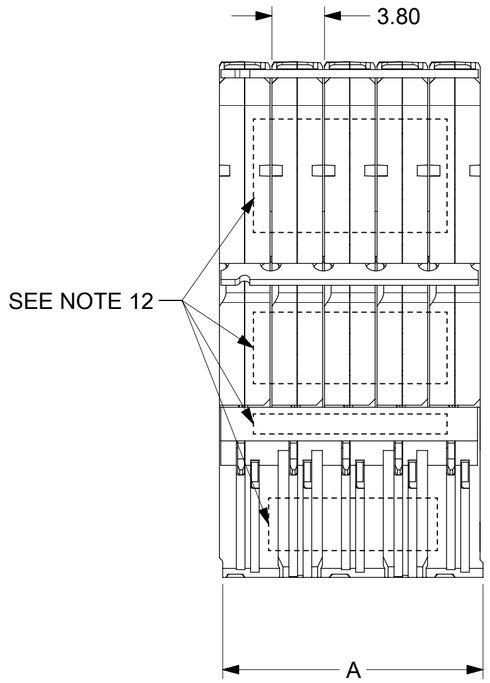
SERIES	MATERIAL NUMBER	CUSTOMER
170535	SEE CHART	GENERAL MARKET

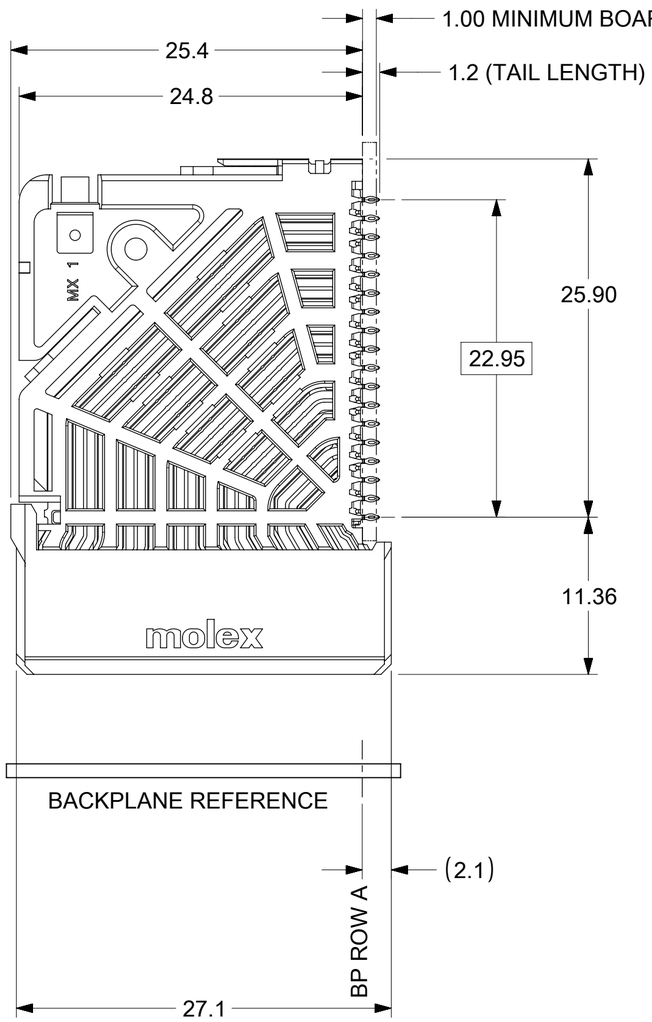
DOCUMENT NUMBER	DOC TYPE	DOC PART	SHEET NUMBER
SD-170535-0001	PSD	001	3 OF 3

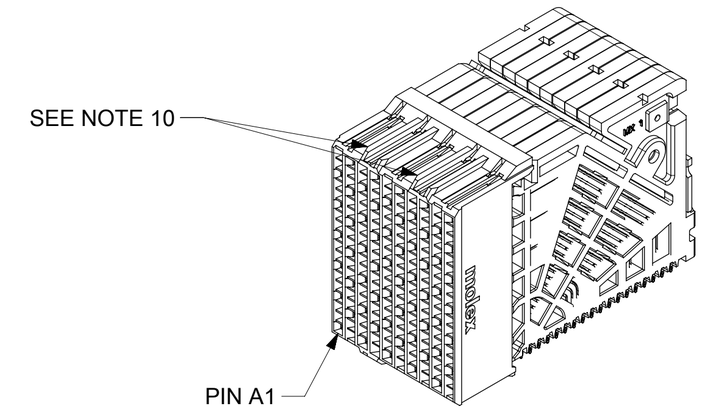
REV: E1

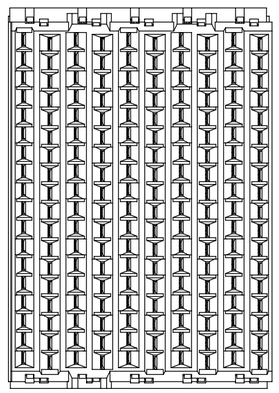
RELEASE STATUS	P1	RELEASE DATE	01.12.2017 12:29:14

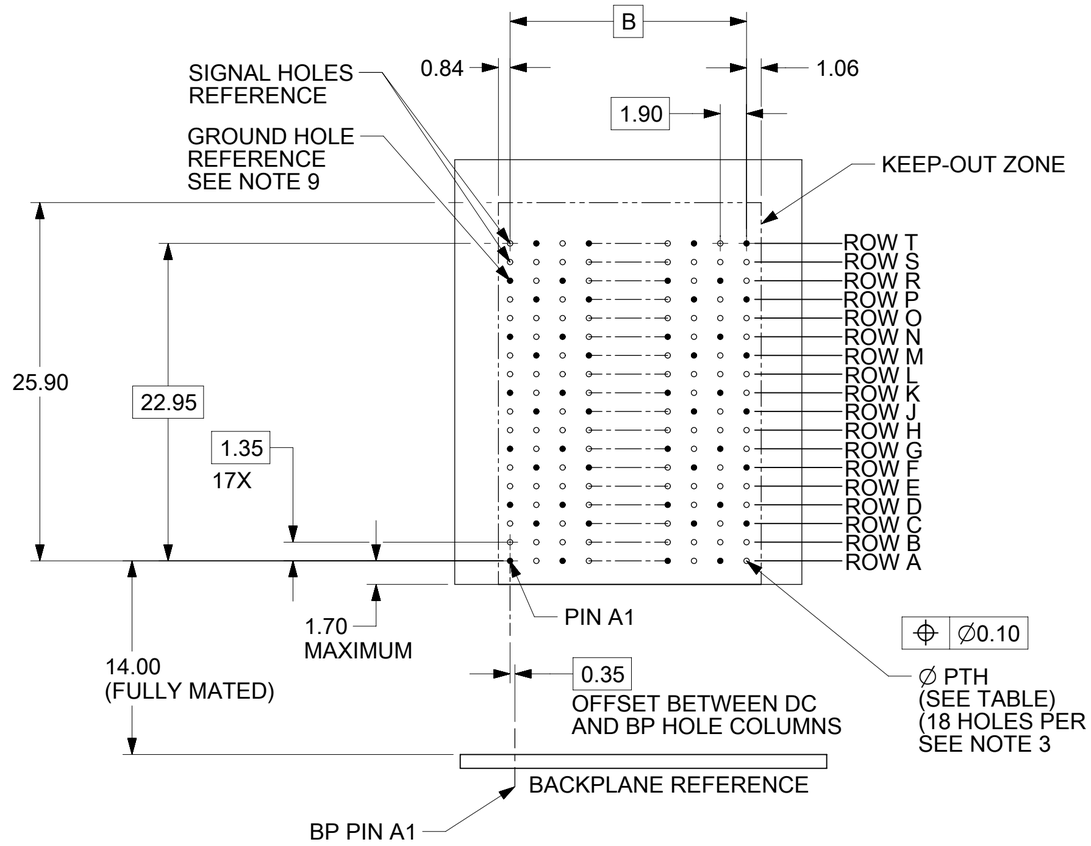
FORMAT: master-tb-prod-C
REVISION: G
DATE: 2015/02/06











NOTES:
1. MATERIALS: HOUSING - LCP (LIQUID CRYSTAL POLYMER), GLASS FILLED, UL94V-0.
   TERMIANLS - HIGH PERFORMANCE COPPER ALLOY.
2. FINISH: 30 MICROINCHES MINIMUM GOLD IN CONTACT AREA;
   SELECTIVE MATTE TIN ON PCB TAILS;
   NICKEL UNDERPLATE OVERALL.
3. REFER TO MOLEX PRODUCT SPECIFICATION PS-170540-999 FOR PERFORMANCE SPECIFICATIONS AND ADDITIONAL PCB INFORMATION.
4. EACH SIGNAL WAFER CONTAINS 2 COLUMNS OF TERMINALS.
5. PRODUCT IS PACKAGED PER PK-70873-589.
6. THIS PART CONFORMS TO CLASS B REQUIREMENTS OF COSMETIC SPECIFICATION PS-45499-002.
7. REFER TO MOLEX SALES DRAWING SD-170535-0001 AND RSD-170532-**** FOR THE MATING HEADERS.
8. REFER TO MOLEX PCB ROUTING GUIDE AS-76060-990 FOR ANTIPAD AND ROUTING RECOMMENDATIONS.
9. GROUND PATHS ARE NOT DISCRETE CIRCUITS WITHIN CONNECTOR DUE TO PRESENCE OF PLUS CLIP.
10. PART NUMBER 170540-1020 SHOWN ON DRAWING. KEYING FEATURES WILL CHANGE WITH COLUMN SIZE.
11. MINIMUM BOARD THICKNESS IS 1.00mm FOR COMPLIANT PIN FUNCTIONALITY.
12. MARKING: LOCATED APPROXIMATELY AS SHOWN, PART NUMBER AND DATE CODE.

DAUGHTERCARD HOLE PATTERN (CONNECTOR SIDE)

DOCUMENT STATUS	P1	RELEASE DATE	2018/08/28 17:05:04

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

SYMBOLS	DIMENSION UNITS	SCALE
FAV = 0	mm	3:1
FEC = 0	GENERAL TOLERANCES (UNLESS SPECIFIED)	
FEP = 0	ANGULAR TOL ± 0.5 °	
S = 0	4 PLACES ±	
▼ = 0	3 PLACES ±	
C = 0	2 PLACES ± 0.13	
☒ = 0	1 PLACE ± 0.25	
■ = 0	0 PLACES ±	
V = 0	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	

CURRENT REV DESC: ADD 14 COL OPTIONS

EC NO: 603057

DRWN:	DMORGAN	2018/04/09
CHK'D:	TELO	2018/08/28
APPR:	TELO	2018/08/28

INITIAL REVISION:

DRWN:	KBENES	2012/08/17
APPR:	TELO	2012/08/23

THIRD ANGLE PROJECTION | DRAWING: C-SIZE | SERIES: 170540 | MATERIAL NUMBER: SEE TABLE | CUSTOMER: GENERAL MARKET | SHEET NUMBER: 1 OF 2

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IMPACT 6 PAIR PLUS 85OHM DAUGHTERCARD SIGNAL UNGUIDED SALES DRAWING

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
SD-170540-0001	PSD	001	D

FORMAT: master-tb-prod C
REVISION: H
DATE: 2018/01/18

MATERIAL NUMBER	NUMBER OF COLUMNS	NUMBER OF DIFF PAIR	DIMNEISON A MAXIMUM	DIMENSION B	PTH Ø
1705401008	8	48	15.20	13.30	0.46±0.05
1705401010	10	60	19.00	17.10	
1705401014	14	84	26.60	24.70	
1705401016	16	96	30.40	28.50	
1705401038	8	48	15.20	13.30	0.39±0.05
1705401020	10	60	19.00	17.10	
1705401024	14	84	26.60	24.70	
1705401026	16	96	30.40	28.50	

170540- 1 0 * *

MODULE & TAIL PLATING TYPE
1 = UNGUIDED, LEAD-FREE

NUMBER OF COLUMNS

08 = 8 COLUMN 0.46 PTH
10 = 10 COLUMN 0.46 PTH
14 = 14 COLUMN 0.46 PTH
16 = 16 COLUMN 0.46 PTH

38 = 8 COLUMN 0.39 PTH
20 = 10 COLUMN 0.39 PTH
24 = 14 COLUMN 0.39 PTH
26 = 16 COLUMN 0.39 PTH

SYMBOLS
FA = 0
FC = 0
FB = 0
S = 0
= 0
C = 0
= 0
= 0
= 0

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

DIMENSION UNITS	SCALE
mm	1:1

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

CURRENT REV DESC: ADD 14 COL OPTIONS

EC NO: 603057
DRWN: DMORGAN 2018/04/09
CHK'D: TELO 2018/08/28
APPR: TELO 2018/08/28

INITIAL REVISION:
DRWN: KBENES 2012/08/17
APPR: TELO 2012/08/23

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IMPACT 6 PAIR PLUS 85OHM DAUGHTERCARD SIGNAL UNGUIDED SALES DRAWING

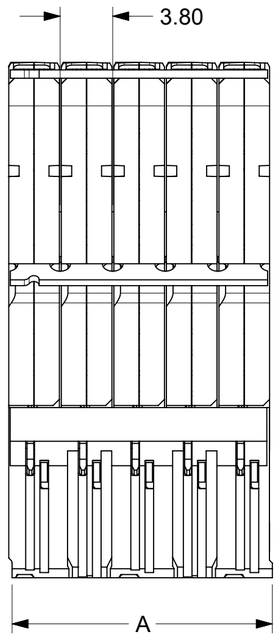
PRODUCT CUSTOMER DRAWING

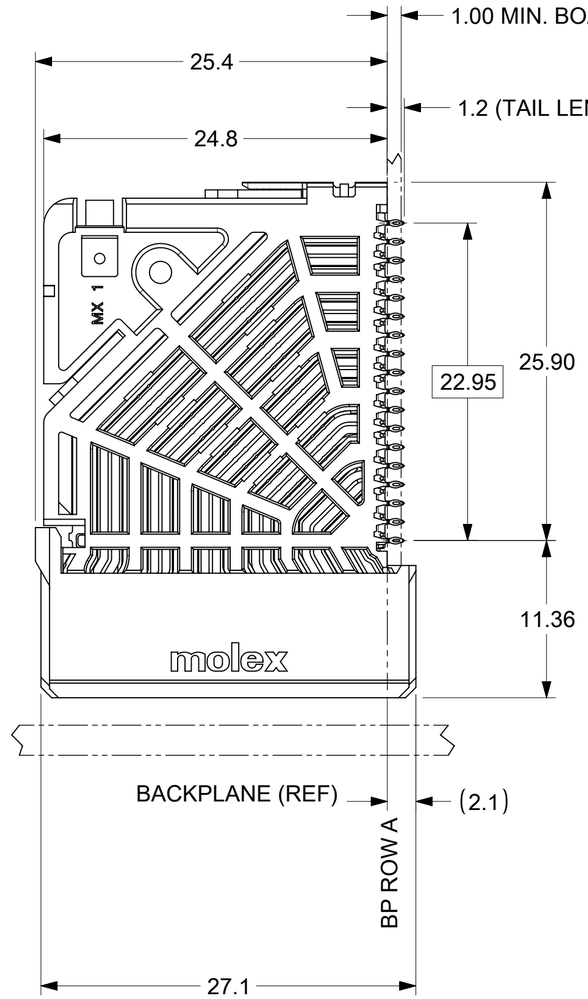
DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
SD-170540-0001	PSD	001	D

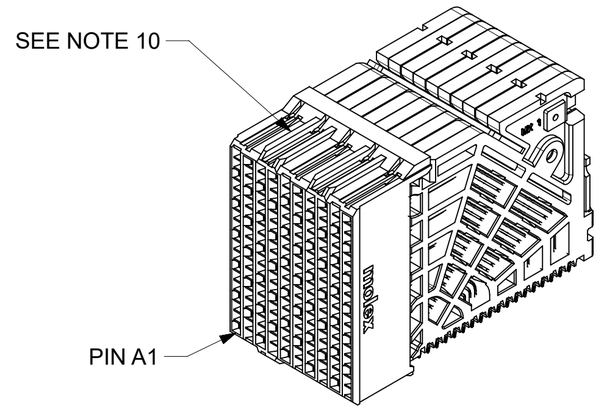
THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
	C-SIZE	170540	SEE TABLE	GENERAL MARKET	2 OF 2

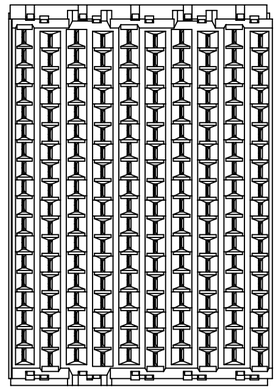
DOCUMENT STATUS	P1	RELEASE DATE	2018/08/28 17:05:04

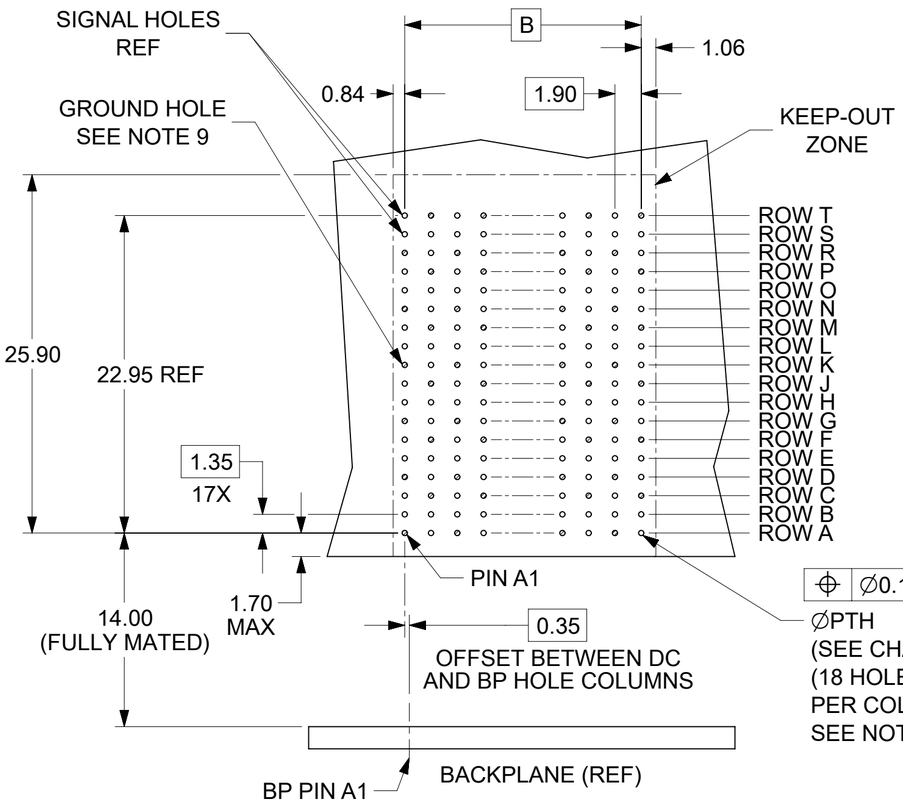
FORMAT: master-tb-prod-C
REVISION: H
DATE: 2018/01/18











DAUGHTERCARD HOLE PATTERN (CONNECTOR SIDE)

NOTES:
1. MATERIALS: HOUSING - LIQUID CRYSTAL POLYMER (LCP), GLASS-FILLED, UL94V-0
   TERMINALS - HIGH PERFORMANCE COPPER ALLOY
2. FINISH: 10µIN MIN GOLD IN CONTACT AREA, SELECTIVE TIN ON PCB TAILS, NICKEL OVERALL.
3. REFER TO MOLEX PRODUCT SPEC PS-170540-999 FOR PERFORMANCE SPECIFICATIONS AND ADDITIONAL PCB INFORMATION.
4. EACH SIGNAL WAFER CONTAINS 2 COLUMNS OF TERMINALS.
5. PRODUCT IS PACKAGED PER PK-70873-589.
6. THIS PART CONFORMS TO CLASS B REQUIREMENTS OF COSMETIC SPEC PS-45499-002.
7. REFER TO MOLEX SALES DRAWING SD-170535-0001 AND RSD-170532-XXXX FOR THE MATING HEADERS.
8. REFER TO MOLEX PCB ROUTING GUIDE AS-76060-990 FOR ANTIPAD AND ROUTING RECOMMENDATIONS.
9. GROUND PATHS ARE NOT DISCRETE CIRCUITS WITHIN CONNECTOR DUE TO PRESENCE OF PLUS CLIP.
10. PART NUMBER 170540-1020 SHOWN ON DRAWING. KEYING FEATURES WILL CHANGE WITH COLUMN SIZE.
11. MINIMUM BOARD THICKNESS IS 1.00MM FOR COMPLIANT PIN FUNCTIONALITY.

DOCUMENT STATUS	P1	RELEASE DATE	2022/05/13 03:05:16

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

DIMENSION UNITS	SCALE
mm	NTS

GENERAL TOLERANCES (UNLESS SPECIFIED)

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

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC: REMASTERED TO NX

EC NO: 705090
DRWN: SKANDB 2021/10/02
CHK'D: DYARAS 2022/02/10
APPR: LZENG 2022/05/13

INITIAL REVISION:
DRWN: MKRAUSE 2015/02/09
APPR: TELO 2015/03/02

THIRD ANGLE PROJECTION | DRAWING: C-SIZE | SERIES: 173120

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IMPACT 6 PAIR PLUS 85OHM
DAUGHTERCARD SIGNAL UNGUIDED SALES DWG
MAPS

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
SD-173120-0001	PSD	001	B

MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
SEE TABLE	GENERAL MARKET	1 OF 2

FORMAT: Eng-lega-master-tb-prod-C
REVISION: E1
DATE: 2021/05/01

MATERIAL NUMBER	# OF COLUMNS	# OF DIFF PAIR	DIM "A" MAX	DIM "B"	PTH∅
173120-1008	8	48	15.20	13.30	0.46 ±0.05
173120-1010	10	60	19.00	17.10	
173120-1016	16	96	30.40	28.50	
173120-1038	8	48	15.20	13.30	0.39 ±0.05
173120-1020	10	60	19.00	17.10	
173120-1026	16	96	30.40	28.50	

173120-10**

MODULE & TAIL PLATING TYPE
1 = UNGUIDED, LEAD-FREE

# OF COLUMNS
08 = 8 COL 0.46 PTH
10 = 10 COL 0.46 PTH
16 = 16 COL 0.46 PTH
20 = 10 COL 0.39 PTH
26 = 16 COL 0.39 PTH
38 = 08 COL 0.39 PTH

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

DIMENSION UNITS	SCALE
mm	NTS

GENERAL TOLERANCES (UNLESS SPECIFIED)

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

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC: REMASTERED TO NX

EC NO: 705090
DRWN: SKANDB 2021/10/02
CHK'D: DYARAS 2022/02/10
APPR: LZENG 2022/05/13

INITIAL REVISION:
DRWN: MKRAUSE 2015/02/09
APPR: TELO 2015/03/02

molex

IMPACT 6 PAIR PLUS 85OHM DAUGHTERCARD SIGNAL UNGUIDED SALES DWG MAPS

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
SD-173120-0001	PSD	001	B

THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
	C-SIZE	173120	SEE TABLE	GENERAL MARKET	2 OF 2

DOCUMENT STATUS	P1	RELEASE DATE	2022/05/13 03:05:16

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