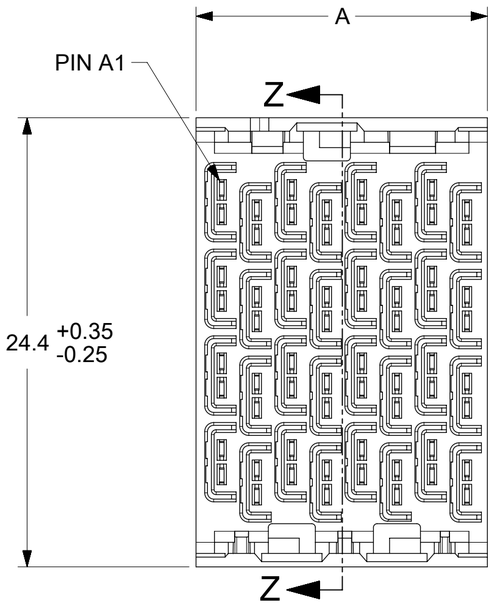
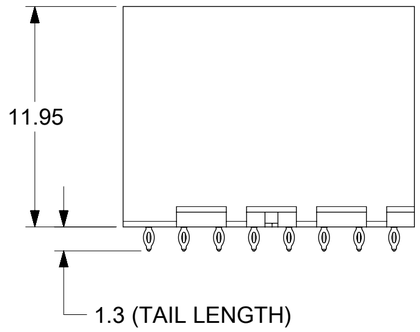
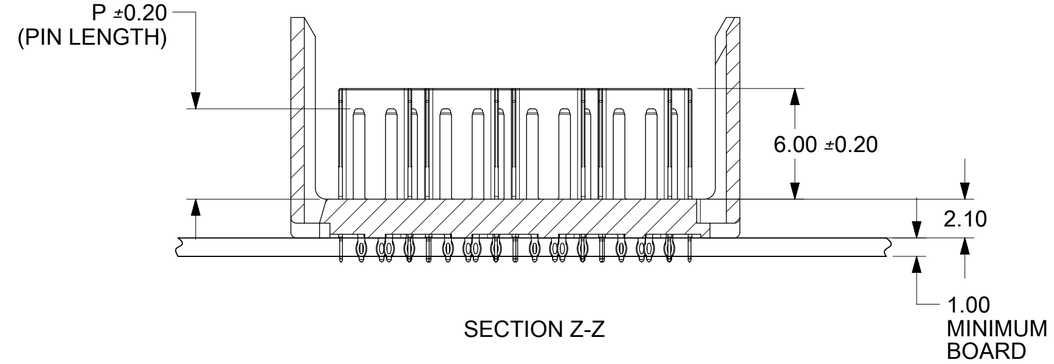
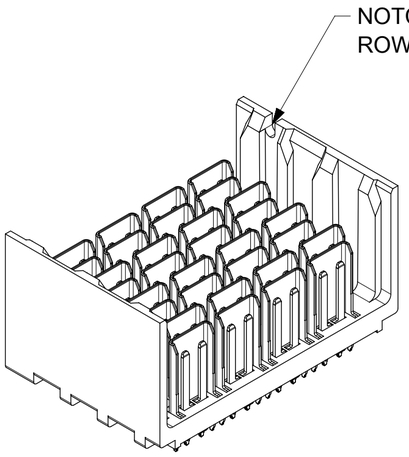


NOTES:
1. MATERIALS: HOUSING - LIQUID CRYSTAL POLYMER (LCP)
   GLASS-FILLED, UL94V-0
   TERMINALS - HIGH PERFORMANCE COPPER ALLOY
2. FINISH: 30uIN GOLD IN CONTACT AREA.
   SELECTIVE TIN ON PCB TAILS.
   NICKEL OVERALL.
3. REFER TO MOLEX PRODUCT SPECIFICATION PS-171320-999 FOR PERFORMANCE SPECIFICATIONS.
4. THIS PART CONFORMS TO CLASS B REQUIREMENTS OF MOLEX COSMETIC SPEC PS-45499-002.
5. PRODUCT WILL BE PACKAGED PER PK-78888-084 EXCEPT FOR P/N 171315-1808 TO BE PACKAGED PER 1713151808-PK.
6. SEE SHEETS 6 AND 7 FOR HOLE PATTERN AND MATED PART DIMENSIONS.
7. MATES WITH IMPEL DC SERIES NUMBER 171320.
8. REFER TO IMPEL PCB ROUTING GUIDE AS-171320-990 FOR ANTIPAD, ROUTING RECOMMENDATIONS, AND ADDITIONAL PCB INFORMATION.
9. WHEN STACKING MODULES END TO END, THE MINIMUM COLUMN TO COLUMN SPACING IS 2.65mm.





SECTION Z-Z



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

DIMENSION UNITS	mm
SCALE	NTS
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: UPDATE PK SPEC

EC NO: 625604
DRWN: YLLIM 2019/10/11
CHK'D: HLGOH 2019/10/18
APPR: DWLEE01 2019/10/24

INITIAL REVISION:
DRWN: BJANOWIAK 2012/09/18
APPR: BJANOWIAK 2012/11/12

molex

IMPEL 4 PAIR BACKPLANE
UNGUIDED ASSEMBLY SALES DRAWING

PRODUCT CUSTOMER DRAWING

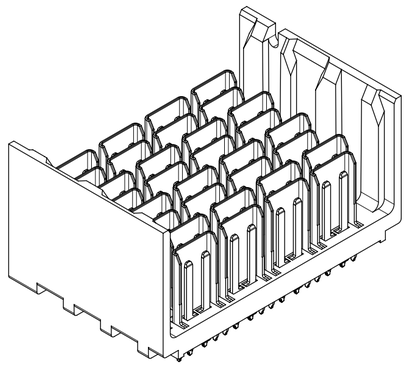
DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
SD-171315-0001	PSD	001	A6

THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
	C-SIZE	171315	SEE TABLE	GENERAL MARKET	1 OF 7

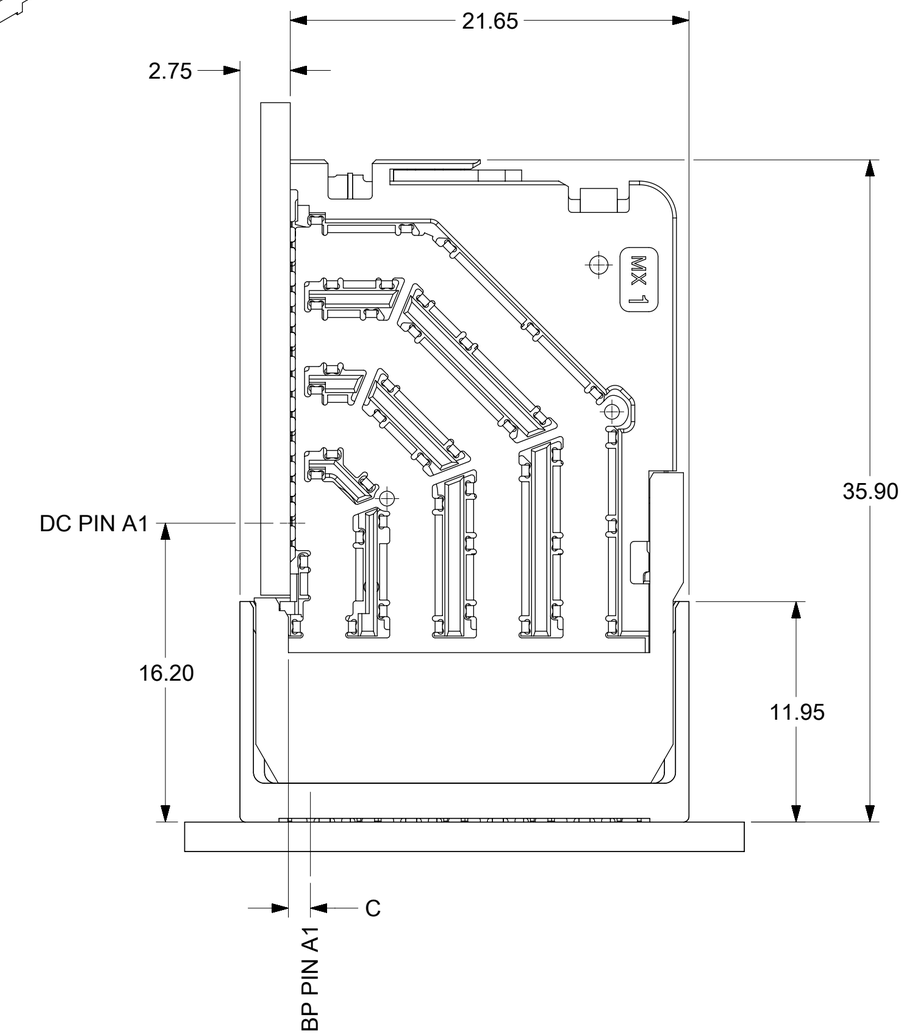
DOCUMENT STATUS	P1	RELEASE DATE	2019/10/24 10:09:07

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

MATERIAL NUMBER	NUMBER OF COLUMNS	NUMBER OF DIFF PAIR	DIM "A"	DIM "B"	DIM "C"	DIM "P"	PTH ∅
171315-1307	6	24	12.00	9.50	1.20	4.90	0.36±0.05
171315-1804	8	32	15.80	13.30	1.10	4.90	0.46±0.05
171315-1805	8	32	15.80	13.30	1.10	5.50	0.46±0.05
171315-1807	8	32	15.80	13.30	1.20	4.90	0.36±0.05
171315-1808	8	32	15.80	13.30	1.20	5.50	0.36±0.05
171315-1104	10	40	19.60	17.10	1.10	4.90	0.46±0.05
171315-1105	10	40	19.60	17.10	1.10	5.50	0.46±0.05
171315-1107	10	40	19.60	17.10	1.20	4.90	0.36±0.05
171315-1108	10	40	19.60	17.10	1.20	5.50	0.36±0.05
171315-1204	12	48	23.40	20.90	1.10	4.90	0.46±0.05
171315-1205	12	48	23.40	20.90	1.10	5.50	0.46±0.05
171315-1207	12	48	23.40	20.90	1.20	4.90	0.36±0.05
171315-1208	12	48	23.40	20.90	1.20	5.50	0.36±0.05
171315-1704	14	56	27.20	24.70	1.10	4.90	0.46±0.05
171315-1705	14	56	27.20	24.70	1.10	5.50	0.46±0.05
171315-1707	14	56	27.20	24.70	1.20	4.90	0.36±0.05
171315-1708	14	56	27.20	24.70	1.20	5.50	0.36±0.05
171315-1604	16	64	31.00	28.50	1.10	4.90	0.46±0.05
171315-1605	16	64	31.00	28.50	1.10	5.50	0.46±0.05
171315-1607	16	64	31.00	28.50	1.20	4.90	0.36±0.05
171315-1608	16	64	31.00	28.50	1.20	5.50	0.36±0.05



OPEN
WALL OPTION



MATED PART DIMENSIONS

171315-1 * * *

MODULE TYPE
1 = UNGUIDED

# OF COLUMNS
8 = 8 COL
1 = 10 COL
2 = 12 COL
7 = 14 COL
6 = 16 COL

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

PIN LENGTH (P)
4 = 4.90 (0.46 PTH)
5 = 5.50 (0.46 PTH)
7 = 4.90 (0.36 PTH)
8 = 5.50 (0.36 PTH)

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

DIMENSION UNITS	mm
SCALE	NTS
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: UPDATE PK SPEC

EC NO: 625604
DRWN: YLLIM 2019/10/11
CHK'D: HLGOH 2019/10/18
APPR: DWLEE01 2019/10/24

INITIAL REVISION:
DRWN: BJANOWIAK 2012/09/18
APPR: BJANOWIAK 2012/11/12

THIRD ANGLE PROJECTION | DRAWING: C-SIZE | SERIES: 171315

molex

IMPEL 4 PAIR BACKPLANE
UNGUIDED ASSEMBLY SALES DRAWING

PRODUCT CUSTOMER DRAWING

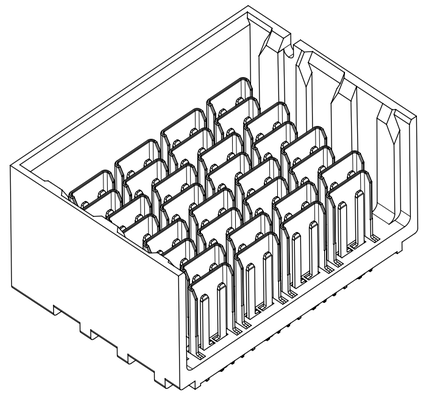
DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
SD-171315-0001	PSD	001	A6

MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
SEE TABLE	GENERAL MARKET	2 OF 7

DOCUMENT STATUS	P1	RELEASE DATE	2019/10/24 10:09:07

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

MATERIAL NUMBER	NUMBER OF COLUMNS	NUMBER OF DIFF PAIR	DIM "A"	DIM "B"	DIM "C"	DIM "P"	PTH ∅
171315-1814	8	32	17.20	13.30	1.10	4.90	0.46±0.05
171315-1815	8	32	17.20	13.30	1.10	5.50	0.46±0.05
171315-1817	8	32	17.20	13.30	1.20	4.90	0.36±0.05
171315-1818	8	32	17.20	13.30	1.20	5.50	0.36±0.05
171315-1114	10	40	21.00	17.10	1.10	4.90	0.46±0.05
171315-1115	10	40	21.00	17.10	1.10	5.50	0.46±0.05
171315-1117	10	40	21.00	17.10	1.20	4.90	0.36±0.05
171315-1118	10	40	21.00	17.10	1.20	5.50	0.36±0.05
171315-1214	12	48	24.80	20.90	1.10	4.90	0.46±0.05
171315-1215	12	48	24.80	20.90	1.10	5.50	0.46±0.05
171315-1217	12	48	24.80	20.90	1.20	4.90	0.36±0.05
171315-1218	12	48	24.80	20.90	1.20	5.50	0.36±0.05
171315-1714	14	56	28.60	24.70	1.10	4.90	0.46±0.05
171315-1715	14	56	28.60	24.70	1.10	5.50	0.46±0.05
171315-1717	14	56	28.60	24.70	1.20	4.90	0.36±0.05
171315-1718	14	56	28.60	24.70	1.20	5.50	0.36±0.05
171315-1614	16	64	32.40	28.50	1.10	4.90	0.46±0.05
171315-1615	16	64	32.40	28.50	1.10	5.50	0.46±0.05
171315-1617	16	64	32.40	28.50	1.20	4.90	0.36±0.05
171315-1618	16	64	32.40	28.50	1.20	5.50	0.36±0.05



LEFT END
WALL OPTION

171315-1 * * *

MODULE TYPE
1 = UNGUIDED

# OF COLUMNS
8 = 8 COL
1 = 10 COL
2 = 12 COL
7 = 14 COL
6 = 16 COL

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

PIN LENGTH (P)
4 = 4.90 (0.46 PTH)
5 = 5.50 (0.46 PTH)
7 = 4.90 (0.36 PTH)
8 = 5.50 (0.36 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)

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: UPDATE PK SPEC

EC NO: 625604
DRWN: YLLIM 2019/10/11
CHK'D: HLGOH 2019/10/18
APPR: DWLEE01 2019/10/24

INITIAL REVISION:
DRWN: BJANOWIAK 2012/09/18
APPR: BJANOWIAK 2012/11/12

molex

IMPEL 4 PAIR BACKPLANE
UNGUIDED ASSEMBLY SALES DRAWING

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
SD-171315-0001	PSD	001	A6

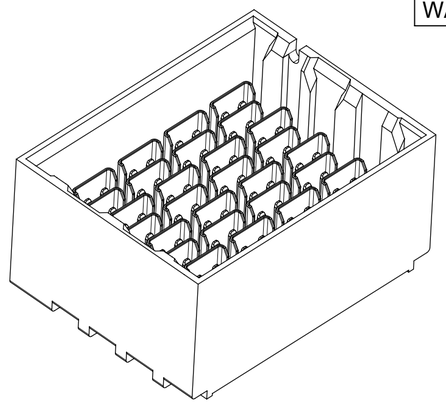
THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
	C-SIZE	171315	SEE TABLE	GENERAL MARKET	3 OF 7

DOCUMENT STATUS	P1	RELEASE DATE	2019/10/24 10:09:07

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

MATERIAL NUMBER	NUMBER OF COLUMNS	NUMBER OF DIFF PAIR	DIM "A"	DIM "B"	DIM "C"	DIM "P"	PTH ∅
171315-1824	8	32	18.60	13.30	1.10	4.90	0.46±0.05
171315-1825	8	32	18.60	13.30	1.10	5.50	0.46±0.05
171315-1827	8	32	18.60	13.30	1.20	4.90	0.36±0.05
171315-1828	8	32	18.60	13.30	1.20	5.50	0.36±0.05
171315-1124	10	40	22.40	17.10	1.10	4.90	0.46±0.05
171315-1125	10	40	22.40	17.10	1.10	5.50	0.46±0.05
171315-1127	10	40	22.40	17.10	1.20	4.90	0.36±0.05
171315-1128	10	40	22.40	17.10	1.20	5.50	0.36±0.05
171315-1224	12	48	26.20	20.90	1.10	4.90	0.46±0.05
171315-1225	12	48	26.20	20.90	1.10	5.50	0.46±0.05
171315-1227	12	48	26.20	20.90	1.20	4.90	0.36±0.05
171315-1228	12	48	26.20	20.90	1.20	5.50	0.36±0.05
171315-1724	14	56	30.00	24.70	1.10	4.90	0.46±0.05
171315-1725	14	56	30.00	24.70	1.10	5.50	0.46±0.05
171315-1727	14	56	30.00	24.70	1.20	4.90	0.36±0.05
171315-1728	14	56	30.00	24.70	1.20	5.50	0.36±0.05
171315-1624	16	64	33.80	28.50	1.10	4.90	0.46±0.05
171315-1625	16	64	33.80	28.50	1.10	5.50	0.46±0.05
171315-1627	16	64	33.80	28.50	1.20	4.90	0.36±0.05
171315-1628	16	64	33.80	28.50	1.20	5.50	0.36±0.05

DUAL END WALL OPTION



171315-1 * * *

- MODULE TYPE
  1 = UNGUIDED
- # OF COLUMNS
  8 = 8 COL
  1 = 10 COL
  2 = 12 COL
  7 = 14 COL
  6 = 16 COL
- HOUSING STYLE
  0 = OPEN ENDS
  1 = LEFT END WALL
  2 = DUAL END WALL
  3 = RIGHT END WALL
- PIN LENGTH (P)
  4 = 4.90 (0.46 PTH)
  5 = 5.50 (0.46 PTH)
  7 = 4.90 (0.36 PTH)
  8 = 5.50 (0.36 PTH)

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DIMENSION UNITS	SCALE
mm	NTS

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: UPDATE PK SPEC

EC NO: 625604
DRWN: YLLIM 2019/10/11
CHK'D: HLGOH 2019/10/18
APPR: DWLEE01 2019/10/24

INITIAL REVISION:
DRWN: BJANOWIAK 2012/09/18
APPR: BJANOWIAK 2012/11/12

molex

IMPEL 4 PAIR BACKPLANE
UNGUIDED ASSEMBLY SALES DRAWING

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
SD-171315-0001	PSD	001	A6

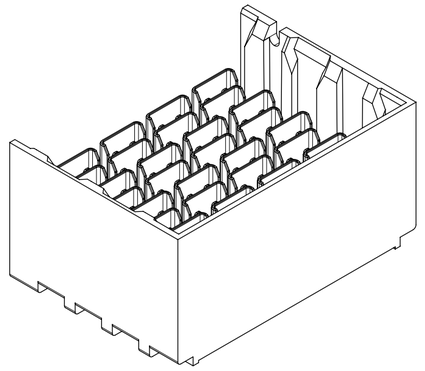
THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
	C-SIZE	171315	SEE TABLE	GENERAL MARKET	4 OF 7

DOCUMENT STATUS	P1	RELEASE DATE	2019/10/24 10:09:07

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

MATERIAL NUMBER	NUMBER OF COLUMNS	NUMBER OF DIFF PAIR	DIM "A"	DIM "B"	DIM "C"	DIM "P"	PTH ∅
171315-1834	8	32	17.20	13.30	1.10	4.90	0.46±0.05
171315-1835	8	32	17.20	13.30	1.10	5.50	0.46±0.05
171315-1837	8	32	17.20	13.30	1.20	4.90	0.36±0.05
171315-1838	8	32	17.20	13.30	1.20	5.50	0.36±0.05
171315-1134	10	40	21.00	17.10	1.10	4.90	0.46±0.05
171315-1135	10	40	21.00	17.10	1.10	5.50	0.46±0.05
171315-1137	10	40	21.00	17.10	1.20	4.90	0.36±0.05
171315-1138	10	40	21.00	17.10	1.20	5.50	0.36±0.05
171315-1234	12	48	24.80	20.90	1.10	4.90	0.46±0.05
171315-1235	12	48	24.80	20.90	1.10	5.50	0.46±0.05
171315-1237	12	48	24.80	20.90	1.20	4.90	0.36±0.05
171315-1238	12	48	24.80	20.90	1.20	5.50	0.36±0.05
171315-1734	14	56	28.60	24.70	1.10	4.90	0.46±0.05
171315-1735	14	56	28.60	24.70	1.10	5.50	0.46±0.05
171315-1737	14	56	28.60	24.70	1.20	4.90	0.36±0.05
171315-1738	14	56	28.60	24.70	1.20	5.50	0.36±0.05
171315-1634	16	64	32.40	28.50	1.10	4.90	0.46±0.05
171315-1635	16	64	32.40	28.50	1.10	5.50	0.46±0.05
171315-1637	16	64	32.40	28.50	1.20	4.90	0.36±0.05
171315-1638	16	64	32.40	28.50	1.20	5.50	0.36±0.05

RIGHT END WALL OPTION



171315-1 * * *

MODULE TYPE
1 = UNGUIDED

# OF COLUMNS
8 = 8 COL
1 = 10 COL
2 = 12 COL
7 = 14 COL
6 = 16 COL

PIN LENGTH (P)
4 = 4.90 (0.46 PTH)
5 = 5.50 (0.46 PTH)
7 = 4.90 (0.36 PTH)
8 = 5.50 (0.36 PTH)

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

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DIMENSION UNITS	SCALE
mm	NTS

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: UPDATE PK SPEC

EC NO: 625604
DRWN: YLLIM 2019/10/11
CHK'D: HLGOH 2019/10/18
APPR: DWLEE01 2019/10/24

INITIAL REVISION:
DRWN: BJANOWIAK 2012/09/18
APPR: BJANOWIAK 2012/11/12

molex

IMPEL 4 PAIR BACKPLANE
UNGUIDED ASSEMBLY SALES DRAWING

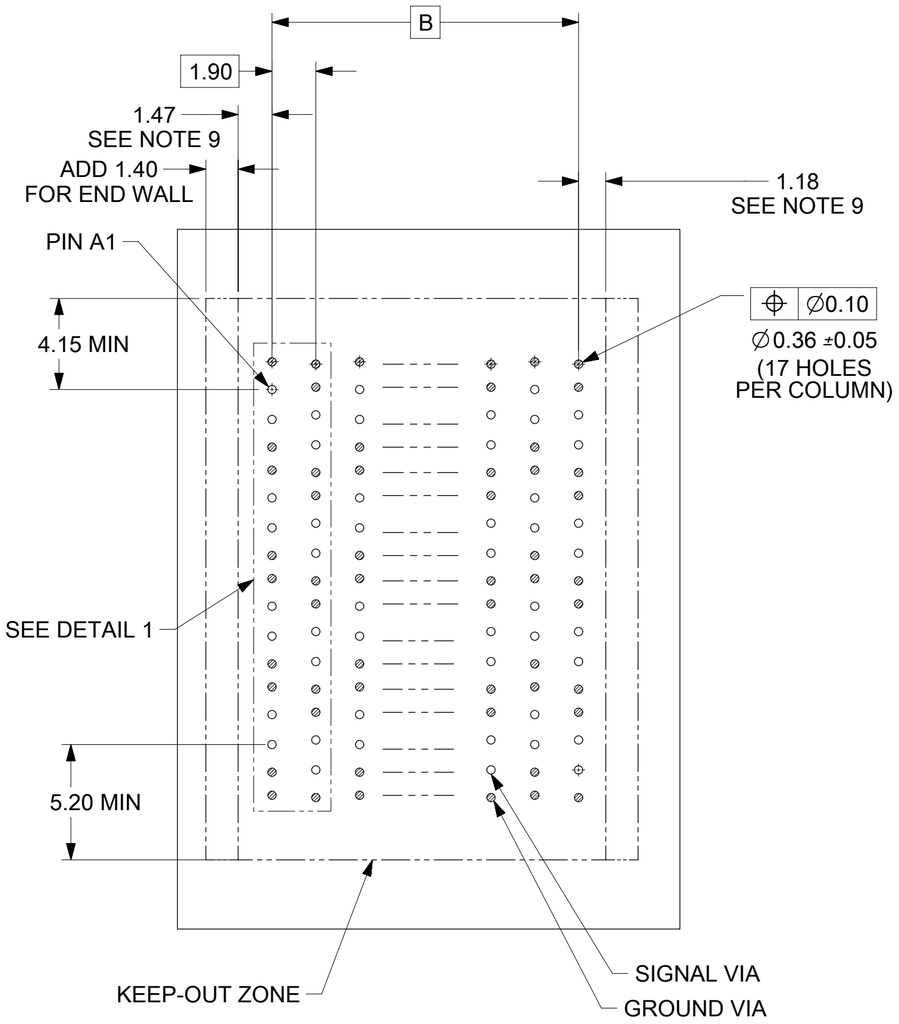
PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
SD-171315-0001	PSD	001	A6

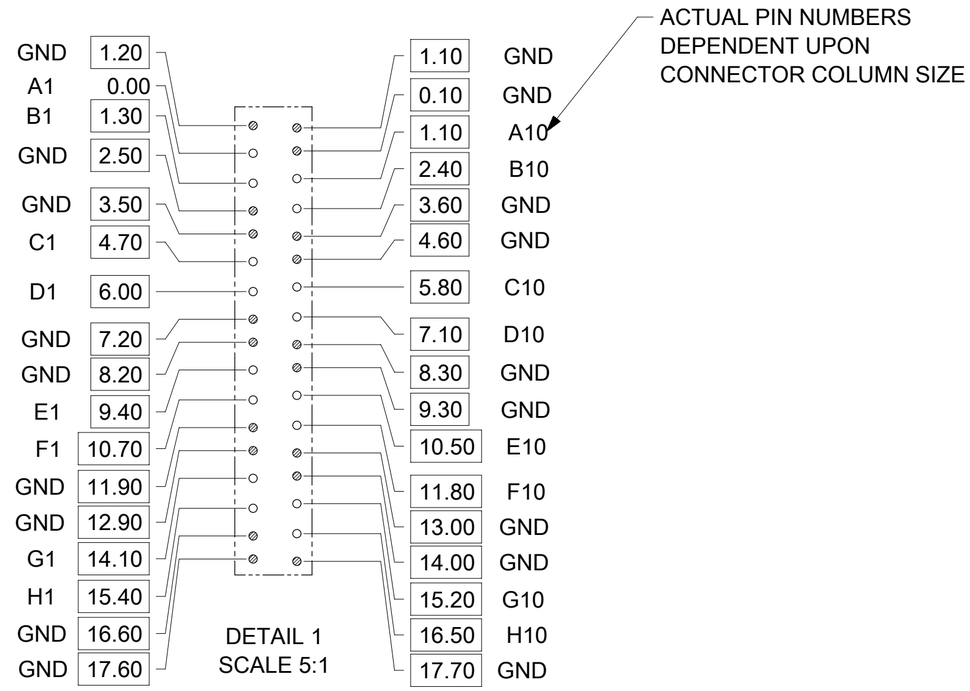
THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
	C-SIZE	171315	SEE TABLE	GENERAL MARKET	5 OF 7

DOCUMENT STATUS	P1	RELEASE DATE	2019/10/24 10:09:07

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



BACKPLANE HOLE PATTERN
FOR ∅0.36 PTH
(CONNECTOR SIDE)



DETAIL 1
SCALE 5:1

ODD COLUMN
DIMENSIONS

EVEN COLUMN
DIMENSIONS

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DIMENSION UNITS	SCALE
mm	NTS

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: UPDATE PK SPEC

EC NO:	625604	
DRWN:	YLLIM	2019/10/11
CHK'D:	HLGOH	2019/10/18
APPR:	DWLEE01	2019/10/24

INITIAL REVISION:

DRWN:	BJANOWIAK	2012/09/18
APPR:	BJANOWIAK	2012/11/12

THIRD ANGLE PROJECTION | DRAWING: C-SIZE | SERIES: 171315

molex

IMPEL 4 PAIR BACKPLANE
UNGUIDED ASSEMBLY SALES DRAWING

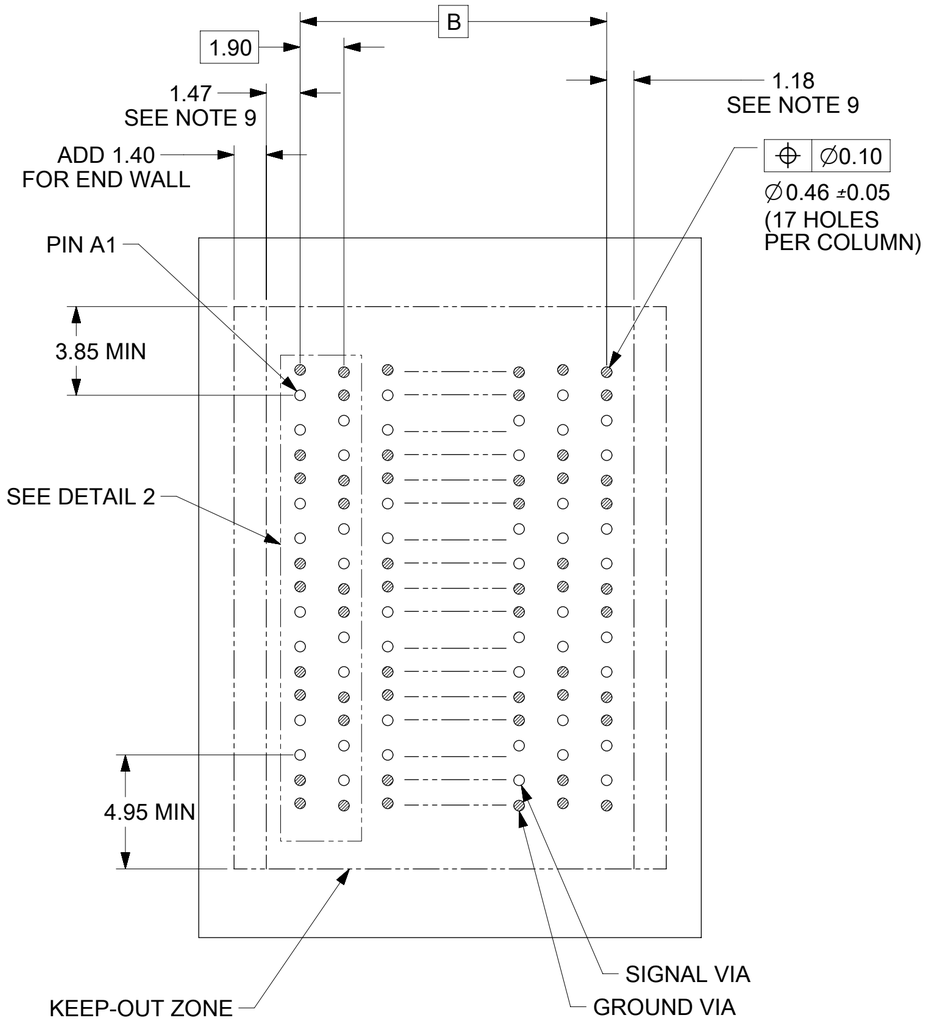
PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
SD-171315-0001	PSD	001	A6

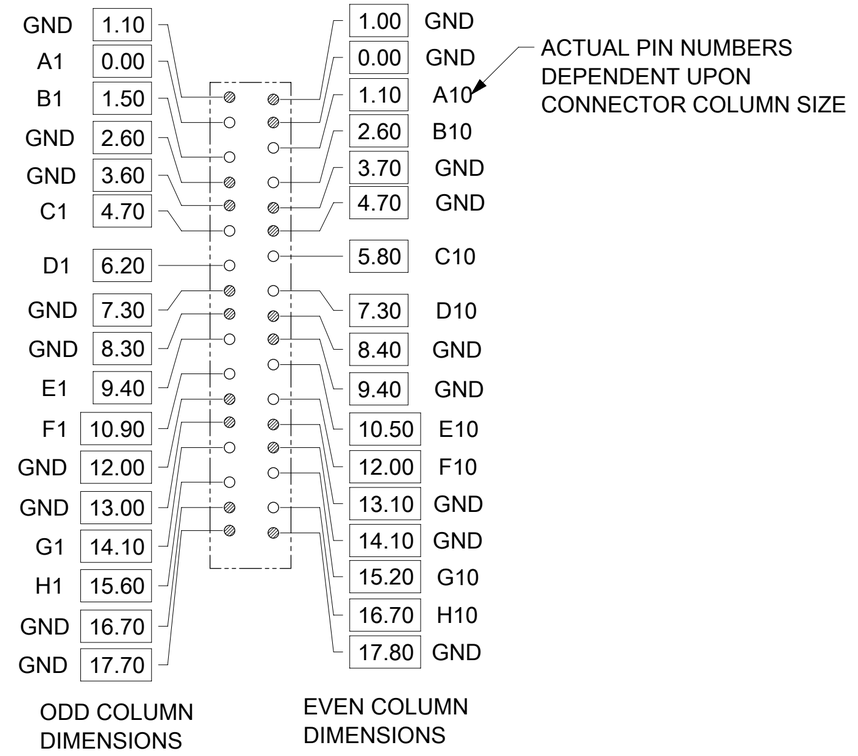
MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
SEE TABLE	GENERAL MARKET	6 OF 7

DOCUMENT STATUS	P1	RELEASE DATE	2019/10/24 10:09:07

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



BACKPLANE HOLE PATTERN
FOR ∅0.46 PTH
(CONNECTOR SIDE)



DETAIL 2
SCALE 5:1

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)

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: UPDATE PK SPEC

EC NO: 625604
DRWN: YLLIM 2019/10/11
CHK'D: HLGOH 2019/10/18
APPR: DWLEE01 2019/10/24

INITIAL REVISION:
DRWN: BJANOWIAK 2012/09/18
APPR: BJANOWIAK 2012/11/12

THIRD ANGLE PROJECTION | DRAWING: C-SIZE | SERIES: 171315

molex

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UNGUIDED ASSEMBLY SALES DRAWING

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MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
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