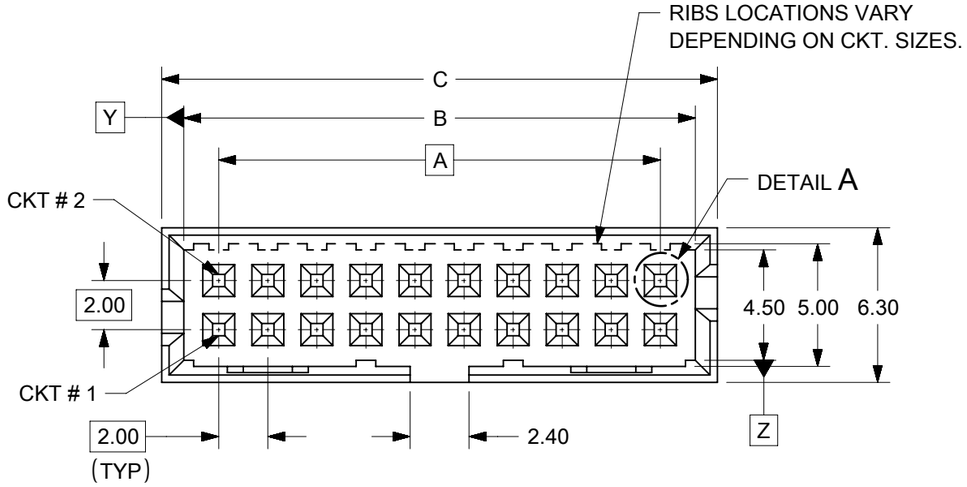
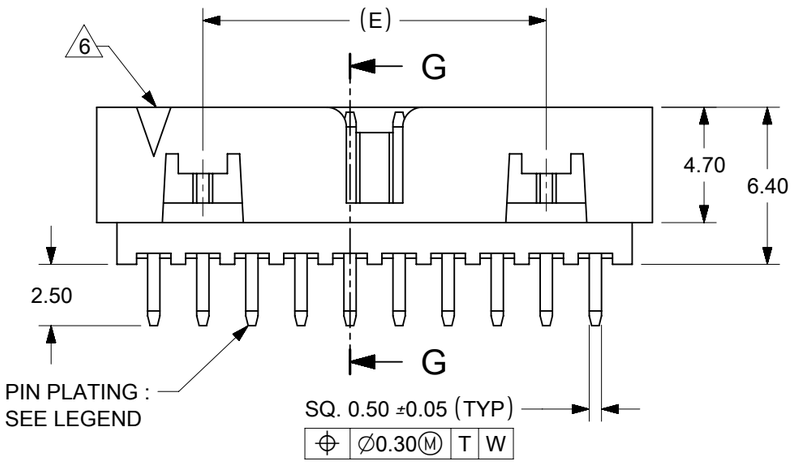
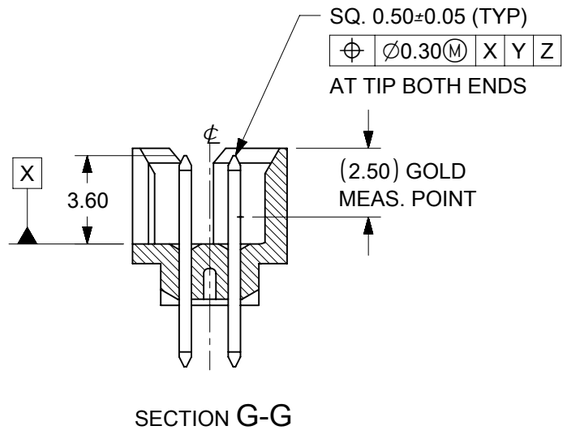
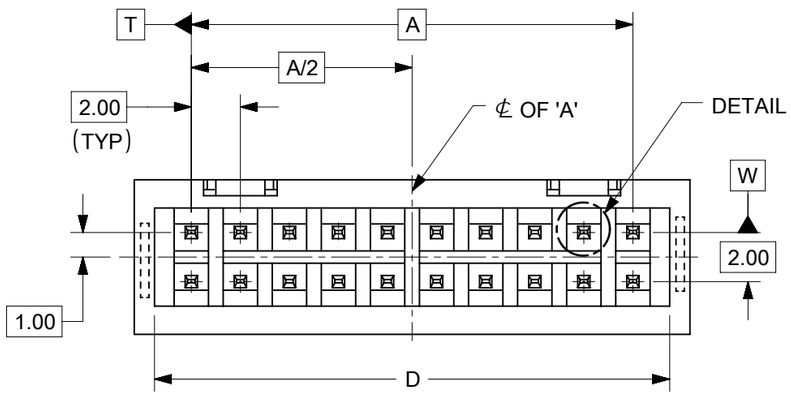
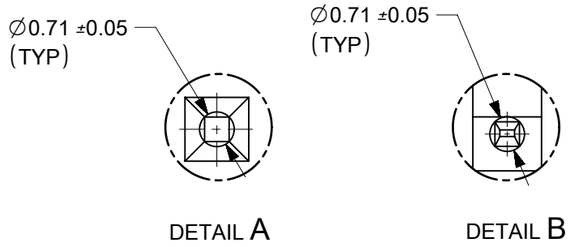
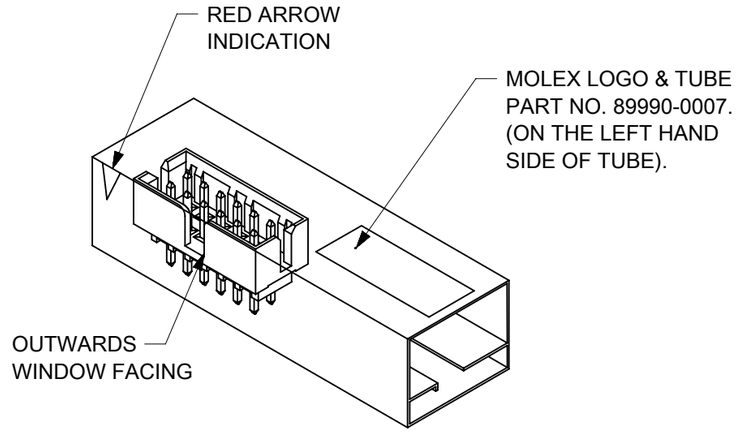












ORIENTATION OF PART IN TUBE
(FOR THE REFERENCE OF PART/TUBE ASSEMBLY)

NOTES:
1. FOR ILLUSTRATION PURPOSES, 20 CIRCUIT SIZE WAFER IS SHOWN.
2. MATERIAL :
   HOUSING : GLASS-FILLED NYLON, UL94V-0, COLOR BLACK.
   PIN : 0.50mm SQ. PHOSPHOR BRONZE.
3. PRODUCT SPECIFICATION PS-87831-027 APPLIES.
4. WITH CENTRE POLARISATION SLOT FOR 87831-6120.
5. NO SIDE LOCKING SLOT FROM 6 TO 12 CKT SIZE.
6. CKT 6 HAS NO IDENTIFICATION TAG.
7. THIS HEADER MATES WITH MOLEX :
   a) CRIMP RECEPTACLE HOUSING, 51110 SERIES WITH CRIMP TERMINAL, 50394 SERIES.
   b) 2mm MILLIGRID DUAL ROW IDT, 87568 SERIES.
   c) 2mm MILLIGRID DUAL ROW: 79107 (GOLD PLATED), 78787 (TIN PLATED)
8. PARTS TO BE PACKED IN TUBE WITH MOISTURE BARRIER BAG.
9. PACKAGING SPECIFICAION : FOR TUBE : PK-87831-001
   FOR T&R : PK-87831-300

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

ADDED BTB DIST. 2018/06/19
EC NO: 619055 2019/07/09
DRWN: SCS02 2019/07/09
CHK'D: NMANE02
APPR: MRAMAKRISHNA

GENERAL TOLERANCES (UNLESS SPECIFIED)	MM	INCH
4 PLACES	±	±
3 PLACES	±	±
2 PLACES	± 0.2	±
1 PLACES	±	±
0 PLACES	±	±
ANGULAR TOL ± 3.0		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

C4 REV

DIMENSION UNITS: MM
SCALE: NTS
DRWN BY: ATSEE DATE: 2003/10/03
CHK'D BY: KCLING DATE: 2003/11/07
APPR BY: SKTOH DATE: 2003/11/07
DRAWING SIZE: A3
THIRD ANGLE PROJECTION

molex®

MGRID, SHROUDED HEADER
VERTICAL W/SLOT & STANDOFF

PRODUCT CUSTOMER DRAWING

SERIES	MATERIAL NUMBER	CUSTOMER
87831	SEE TABLE	GENERAL MARKET

DOCUMENT NUMBER	DOC TYPE	DOC PART	SHEET NUMBER
SD-87831-011	PSD	001	1 OF 4

RELEASE STATUS	P1	RELEASE DATE	2019/07/09 06:47:14

FORMAT: Met-lega-master-tb-prod-A3
REVISION: C
DATE: 2017/02/06

OTHER OPTIONS

ASSY. P/N IN T&R	ASSY. P/N IN TUBE	CKT SIZE	PLATING OPTIONS	VOID POSITION	DIMENSIONS					
					A	B	C	D	E	(G)
----	87831-5120	12	2	1	10.00	12.85	14.65	13.00	----	----
----	87831-5220	44	2	20	42.00	44.85	46.65	45.00	38.00	----
----	87831-5320	24	2	13	22.00	24.85	26.65	25.00	18.00	----
----	87831-5420	34	2	3	32.00	34.85	36.65	35.00	28.00	----
----	87831-5520	20	2	20	18.00	20.85	22.65	21.00	14.00	----
----	87831-5620	28	2	13	26.00	28.85	30.65	29.00	22.00	----
----	87831-5720	34	2	15	32.00	34.85	36.65	35.00	28.00	----
----	87831-5820	40	2	25	38.00	40.85	42.65	41.00	34.00	----
----	87831-5920	20	2	13	18.00	20.85	22.65	21.00	14.00	----
----	87831-6020	24	2	20	22.00	24.85	26.65	25.00	18.00	----
----	87831-6120 △4	6	2	1	4.00	6.85	8.65	7.00	----	----
----	87831-6320	20	2	19	18.00	20.85	22.65	21.00	14.00	----

PART NUMBER LEGEND:

87831 - * * * *

PLATING OPTION

OPTION 1	**19 - 0.05-0.13µm/2-5µin GOLD IN CONTACT AREA AND 1.88µm/75µin MIN. TIN IN SOLDER TAIL AREA OVER 1.27µm/50µin MIN. NICKEL OVERALL.
OPTION 2	**20 - 0.38µm/15µin GOLD IN CONTACT AREA AND 1.88µm/75µin MIN. TIN IN SOLDER TAIL AREA OVER 1.27µm/50µin MIN. NICKEL OVERALL.
OPTION 3	**21 - 0.76µm/30µin GOLD IN CONTACT AREA AND 1.88µm/75µin MIN. TIN IN SOLDER TAIL AREA OVER 1.27µm/50µin MIN. NICKEL OVERALL.
OPTION 4	**36 - 2.50µm/100µin MIN. TIN OVER 1.25µm/50µin MIN. NICKEL OVERALL.

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ADDED BTB DIST. 2018/06/19
EC NO: 619055 2019/07/09
DRWN: SCS02 2019/07/09
CHK'D: NMANE02
APPR: MRAMAKRISHNA

GENERAL TOLERANCES (UNLESS SPECIFIED)

	MM	INCH
4 PLACES	±	±
3 PLACES	±	±
2 PLACES	± 0.2	±
1 PLACES	±	±
0 PLACES	±	±

ANGULAR TOL ± 3.0

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

REV C4

DIMENSION UNITS: MM
SCALE: NTS
DRWN BY: ATSEE DATE: 2003/10/03
CHK'D BY: KCLING DATE: 2003/11/07
APPR BY: SKTOH DATE: 2003/11/07
DRAWING SIZE: A3
THIRD ANGLE PROJECTION

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MGRID, SHROUDED HEADER
VERTICAL W/SLOT & STANDOFF

PRODUCT CUSTOMER DRAWING

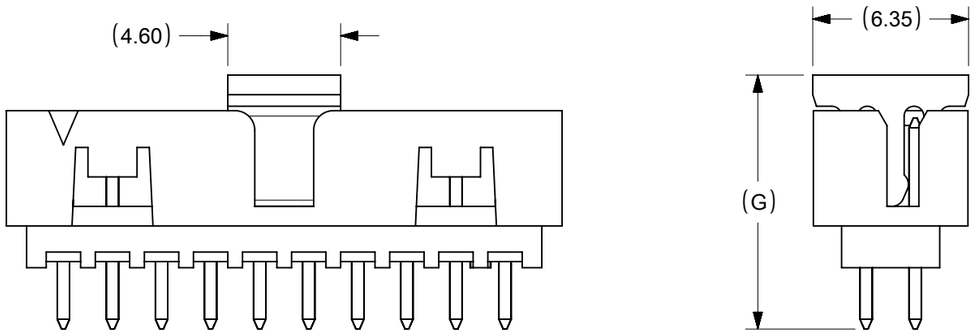
SERIES	MATERIAL NUMBER	CUSTOMER
87831	SEE TABLE	GENERAL MARKET

DOCUMENT NUMBER	DOC TYPE	DOC PART	SHEET NUMBER
SD-87831-011	PSD	001	2 OF 4

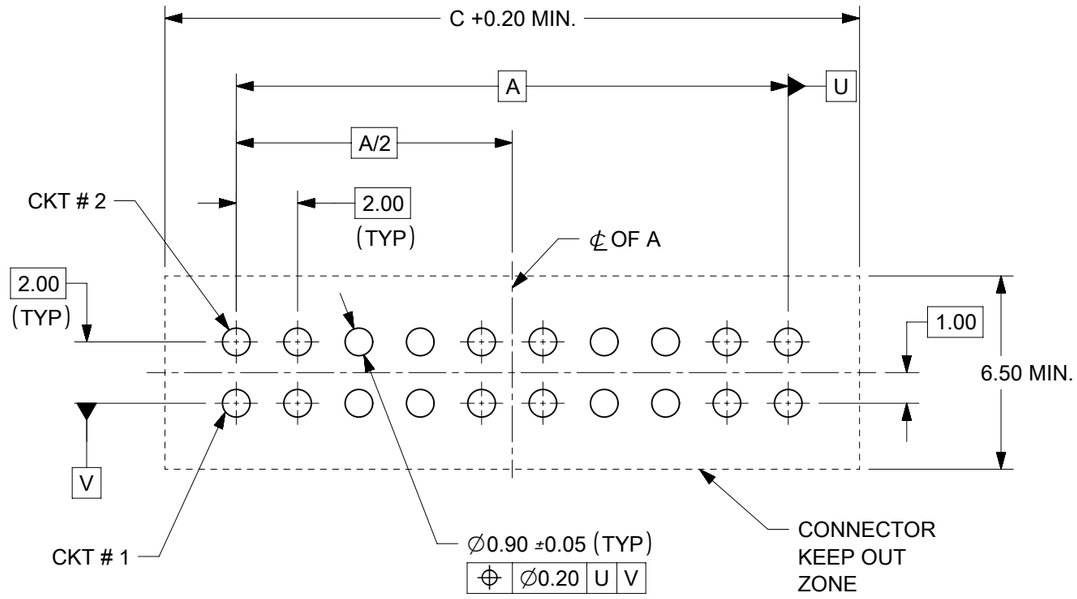
RELEASE STATUS	P1	RELEASE DATE	2019/07/09 06:47:14

FORMAT: Met-lega-master-tb-prod-A3
REVISION: C
DATE: 2017/02/06

CAP INFORMATION



ILLUSTRATED VIEWS WITH CAP



RECOMMENDED PCB PATTERN

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

ADDED BTB DIST. 2018/06/19
EC NO: 619055 2019/07/09
DRWN: SCS02 CHK'D: NMANE02 APPR: MRAMAKRISHNA 2019/07/09

GENERAL TOLERANCES (UNLESS SPECIFIED)	MM	INCH
4 PLACES	±	±
3 PLACES	±	±
2 PLACES	± 0.2	±
1 PLACES	±	±
0 PLACES	±	±
ANGULAR TOL ± 3.0		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

REV: C4

DIMENSION UNITS: MM
SCALE: NTS
DRWN BY: ATSEE DATE: 2003/10/03
CHK'D BY: KCLING DATE: 2003/11/07
APPR BY: SKTOH DATE: 2003/11/07
DRAWING SIZE: A3
THIRD ANGLE PROJECTION

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MGRID, SHROUDED HEADER
VERTICAL W/SLOT & STANDOFF

PRODUCT CUSTOMER DRAWING

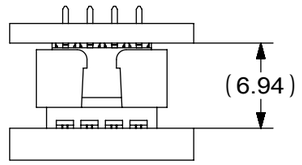
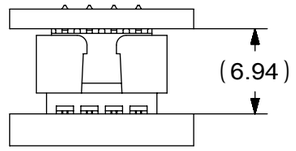
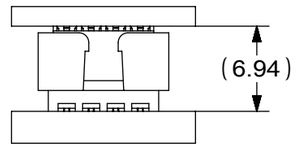
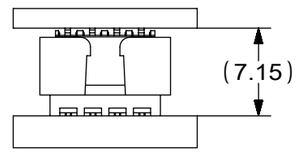
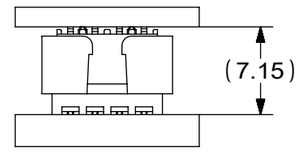
SERIES	MATERIAL NUMBER	CUSTOMER
87831	SEE TABLE	GENERAL MARKET

DOCUMENT NUMBER	DOC TYPE	DOC PART	SHEET NUMBER
SD-87831-011	PSD	001	3 OF 4

RELEASE STATUS	P1	RELEASE DATE	2019/07/09 06:47:14

FORMAT: Mel-lega-master-tb-prod-A3
REVISION: C
DATE: 2017/02/06

BOARD TO BOARD (BTB) DISTANCE

HEADER	MATES WITH (RECEPTACLE)	BTB DIST.	PICTORIAL VIEW
87831	79107	6.94	
	78787	6.94	
	79108	6.94	
	79109	7.15	
	78788	7.15	

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	± 0.2	±
1 PLACE	±	±
0 PLACES	±	±
ANGULAR TOL	± 3.0 °	

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC: ADDED BTB DIST.

EC NO: 619055
DRWN: SCS02 2018/06/19
CHK'D: NMANE02 2019/07/09
APPR: MRAMAKRISHNA 2019/07/09

INITIAL REVISION:
DRWN: DRWN BY XXXX/XX/XX
APPR: APPR BY XXXX/XX/XX

THIRD ANGLE PROJECTION | DRAWING: A3-SIZE | SERIES: 87831

molex

MGRID, SHROUDED HEADER
VERTICAL W/SLOT & STANDOFF

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
SD-87831-011	PSD	001	C4

MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
	GENERAL MARKET	4 OF 4

DOCUMENT STATUS	P1	RELEASE DATE	2019/07/09 06:47:14

FORMAT: Mel-temp-letter-tb-prod-A3
REVISION: D
DATE: 2018/01/15

Unikeyic Electronics

Global Electronic Components Distributor

Click to view pricing, inventory, delivery, and lifecycle information:

molex:

0190700155 190670071 190990009 444280402 447642001 0190690033 151660057 151670255
152660117 190690096 459705185 5046940301 0436400901 0436802002 152670251 190730231
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