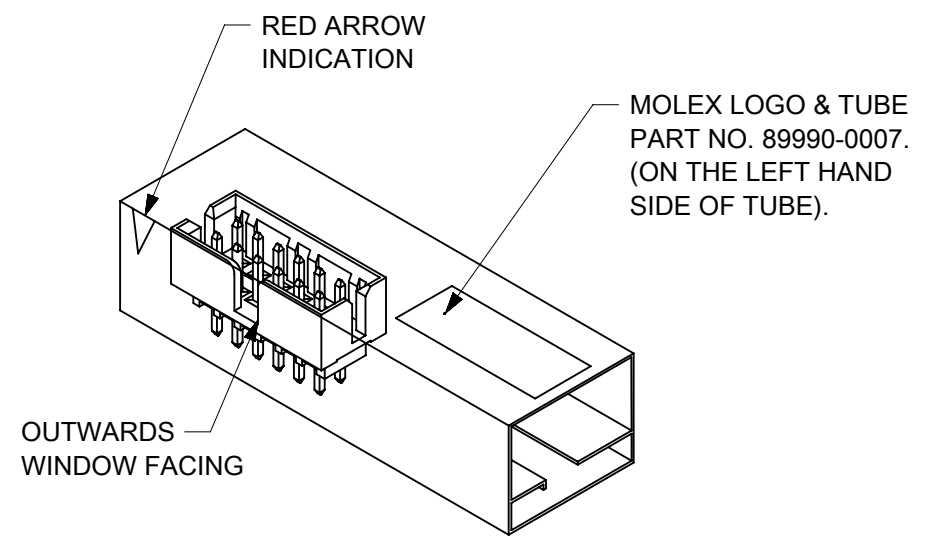
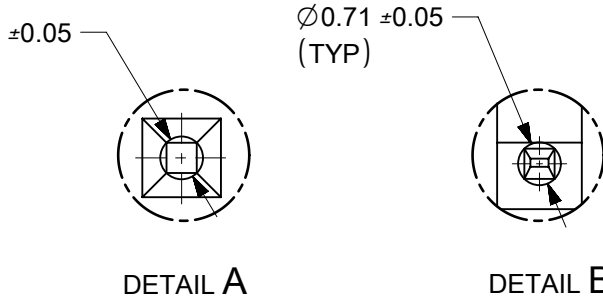
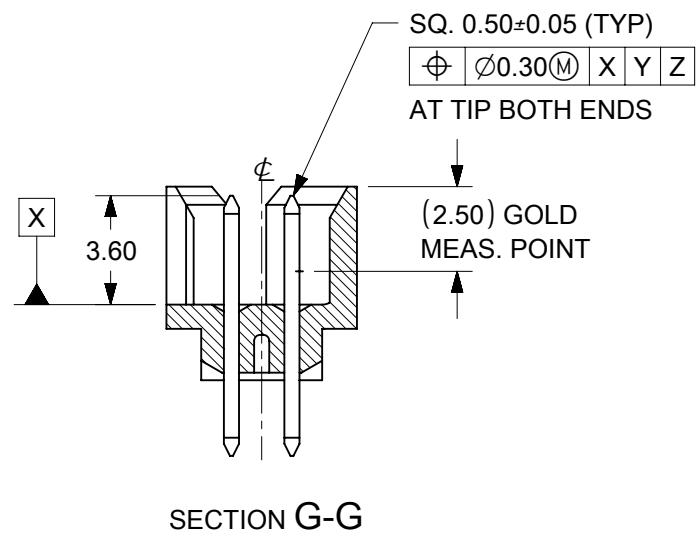
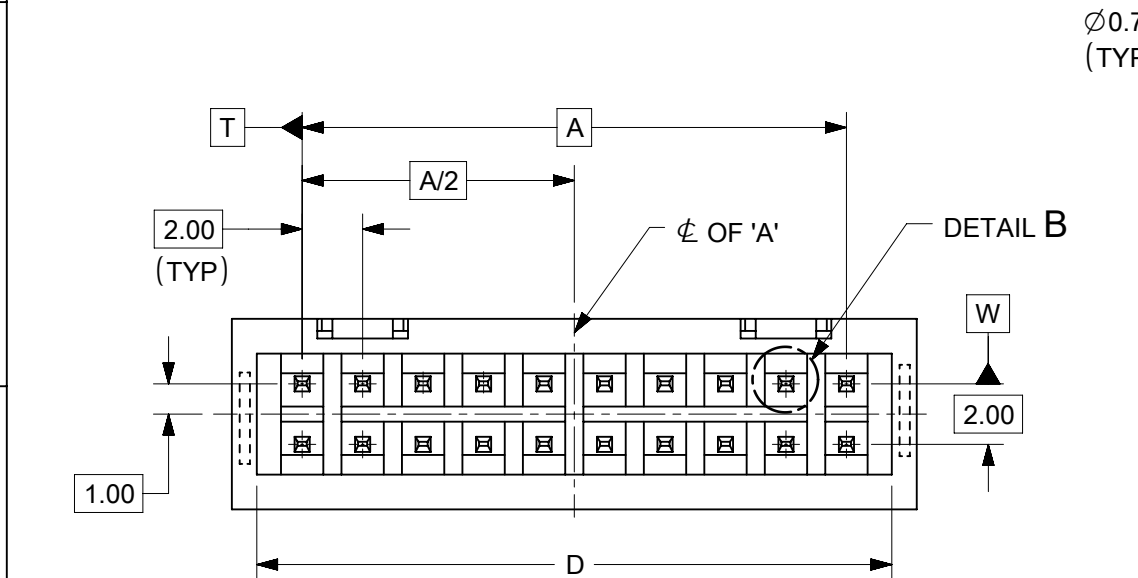
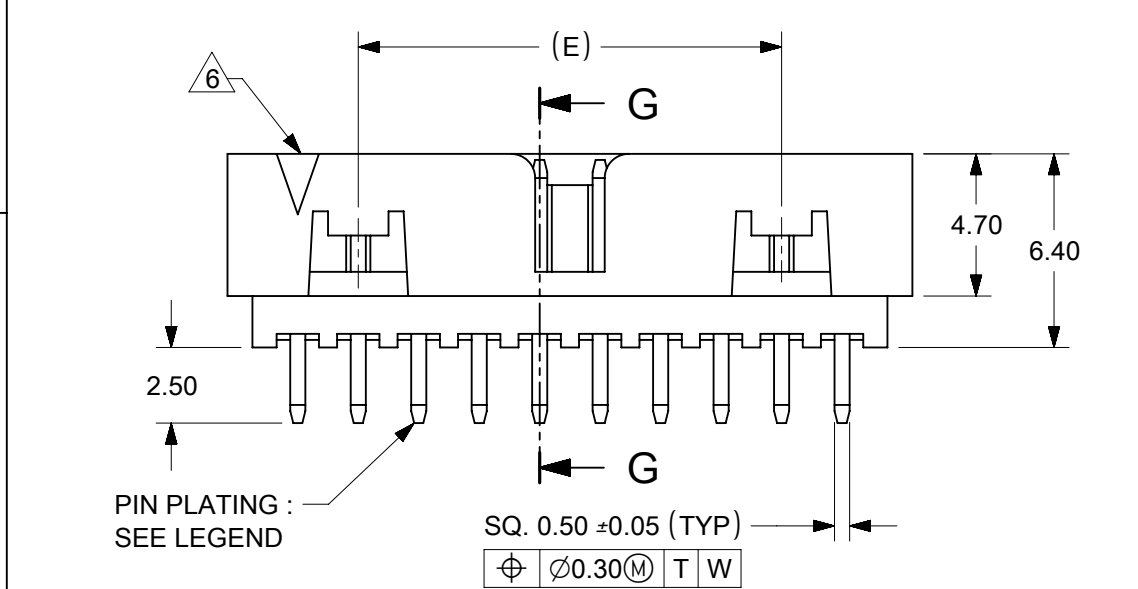
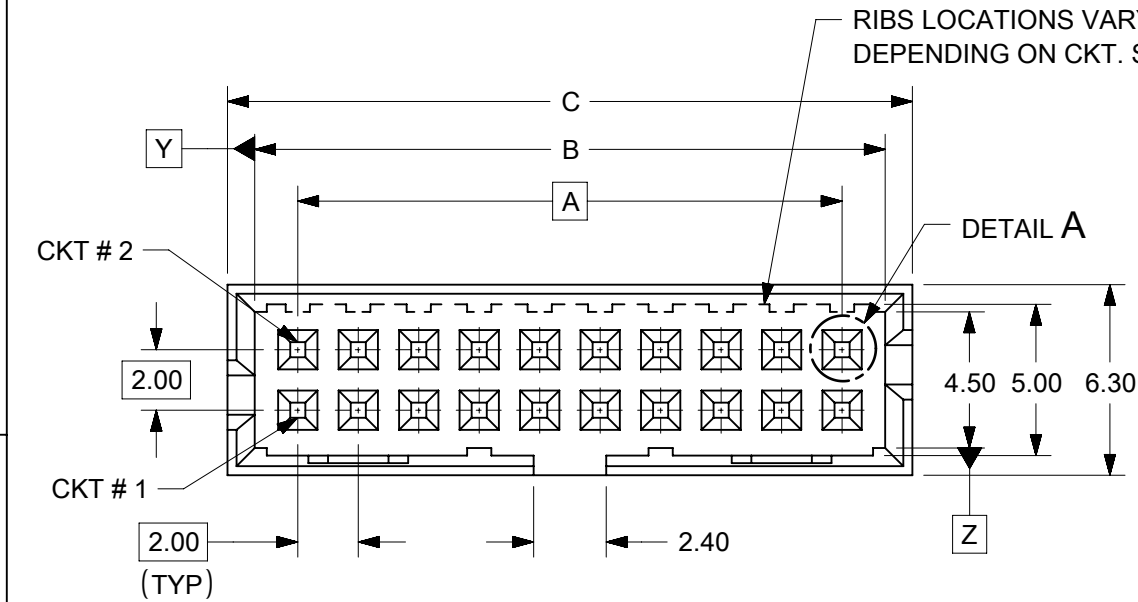




ORIENTATION OF PART IN TUBE
(FOR THE REFERENCE OF PART/TUBE ASSEMBLY)

- NOTES:
- FOR ILLUSTRATION PURPOSES, 20 CIRCUIT SIZE WAFER IS SHOWN.
 - MATERIAL :
HOUSING : GLASS-FILLED NYLON, UL94V-0, COLOR BLACK.
PIN : 0.50mm SQ. PHOSPHOR BRONZE.
 - PRODUCT SPECIFICATION PS-87831-027 APPLIES.
 - WITH CENTRE POLARISATION SLOT FOR 87831-6120.
 - NO SIDE LOCKING SLOT FROM 6 TO 12 CKT SIZE.
 - CKT 6 HAS NO IDENTIFICATION TAG.
 - 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)
 - PARTS TO BE PACKED IN TUBE WITH MOISTURE BARRIER BAG.
 - 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. EC NO: 619055 DRWN: SCS02 CHK'D: NMANE02 REV APPR: MRAMAKRISHNA	2018/06/19 2019/07/09 2019/07/09	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION UNITS		SCALE		molex®					
					MM		NTS							
			MM	INCH	DRWN BY		DATE		MGRID, SHROUDED HEADER VERTICAL W/SLOT & STANDOFF					
		4 PLACES	±	±	ATSEE		2003/10/03							
		3 PLACES	±	±	CHK'D BY		DATE							
		2 PLACES	± 0.2	±	KCLING		2003/11/07							
		1 PLACES	±	±	APPR BY		DATE							
		0 PLACES	±	±	SKTOH		2003/11/07		PRODUCT CUSTOMER DRAWING					
		ANGULAR TOL ± 3.0			DRAWING SIZE		THIRD ANGLE PROJECTION							
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			A3					SERIES	MATERIAL NUMBER		CUSTOMER	
87831	SEE TABLE									GENERAL MARKET				
C4	REV				DOCUMENT NUMBER			DOC TYPE	DOC PART	SHEET NUMBER				
						SD-87831-011			PSD	001	1 OF 4			

9

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2

1

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.

EC NO: 619055

DRWN: SCS02

CHK'D: NMANE02

REV

2018/06/19

2019/07/09

2019/07/09

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

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

87831

SEE TABLE

GENERAL MARKET

DOCUMENT NUMBER

SD-87831-011

DOC TYPE

PSD

DOC PART

001

SHEET NUMBER

2 OF 4

PRODUCT CUSTOMER DRAWING

MGRID, SHROUDED HEADER
VERTICAL W/SLOT & STANDOFF

molex®

RELEASE STATUS

P1

RELEASE DATE

2019/07/09

06:47:14

9

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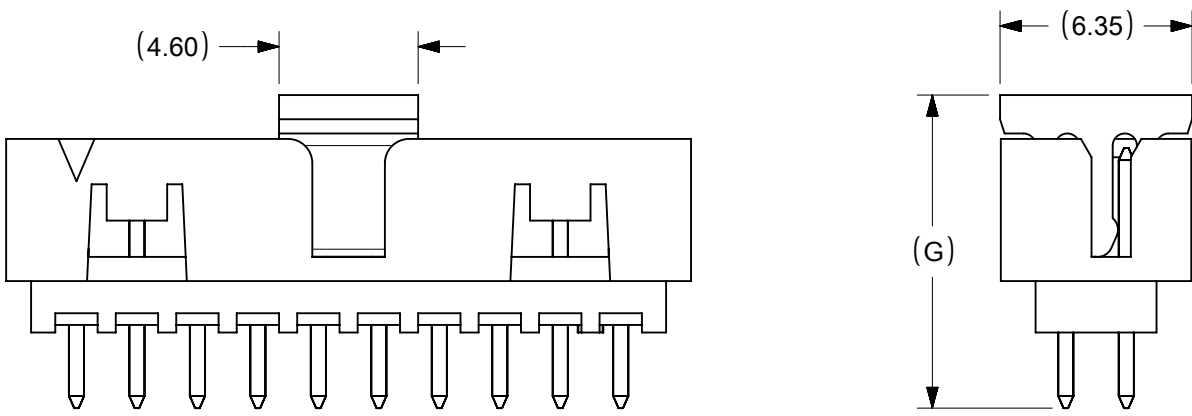
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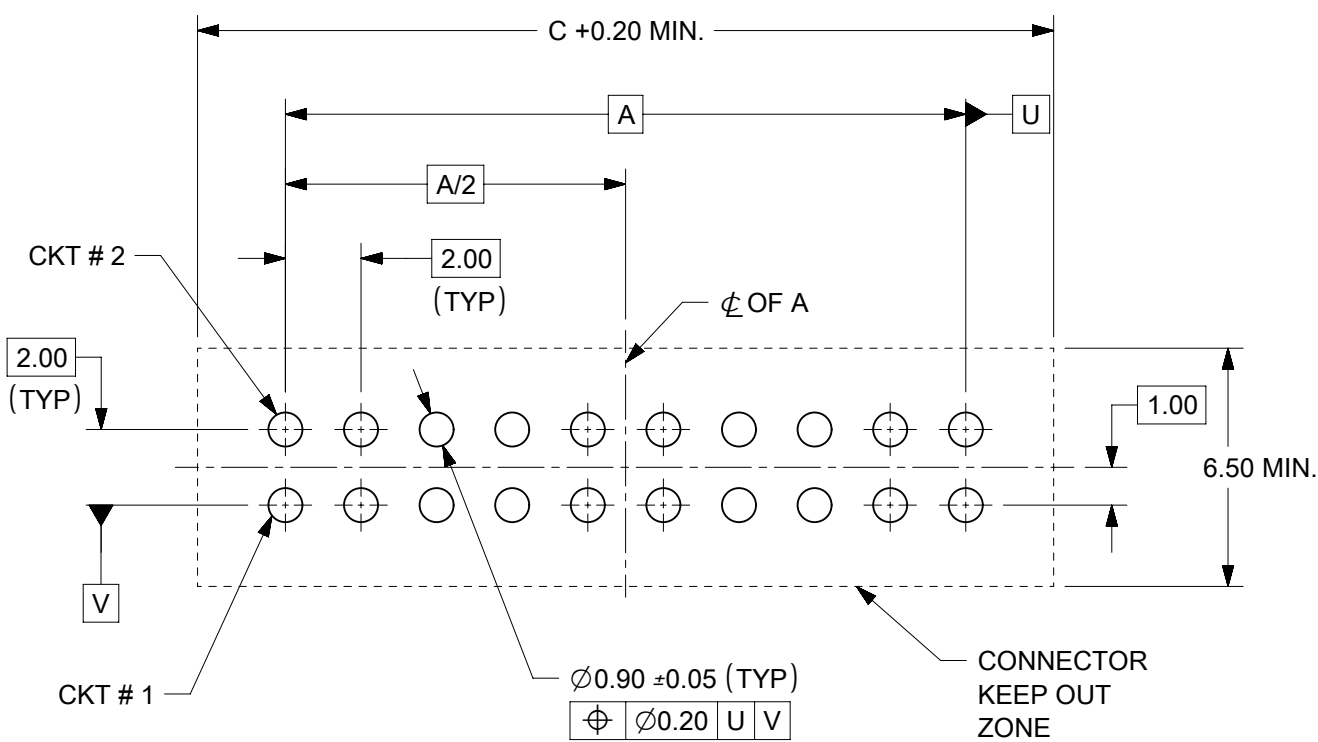
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CAP INFORMATION



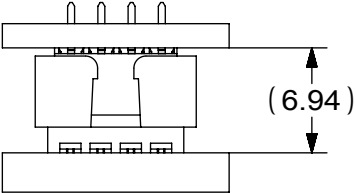
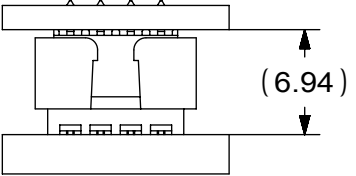
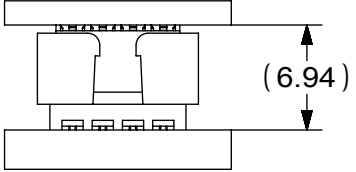
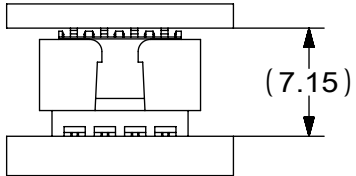
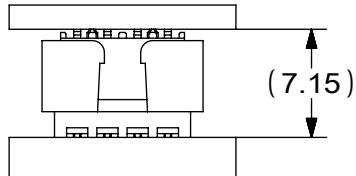
ILLUSTRATED VIEWS WITH CAP



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. EC NO: 619055 DRWN: SCS02 CHK'D: NMANE02 REV APPR: MRAMAKRISHNA		2018/06/19 2019/07/09 2019/07/09		GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION UNITS		SCALE		molex®				
							MM		NTS						
					MM			INCH			DRWN BY ATSEE 2003/10/03				
		4 PLACES			±			±							
		3 PLACES			±			±			CHK'D BY KCLING 2003/11/07				
		2 PLACES			± 0.2			±							
		1 PLACES			±			±			APPR BY SKTOH 2003/11/07				
		0 PLACES			±			±							
C4		REV		ANGULAR TOL ± 3.0			DRAWING SIZE		THIRD ANGLE PROJECTION			SERIES 87831 DOCUMENT NUMBER SD-87831-011			
				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			A3								
										MGRID, SHROUDED HEADER VERTICAL W/SLOT & STANDOFF			PRODUCT CUSTOMER DRAWING		
										CUSTOMER GENERAL MARKET					
										MATERIAL NUMBER SEE TABLE			SHEET NUMBER 3 OF 4		
										DOC TYPE PSD			DOC PART 001		

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	

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DIMENSION UNITS

mm

SCALE

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

CHK'D: NMANE02

APPR: MRAMAKRISHNA

2018/06/19

2019/07/09

2019/07/09

INITIAL REVISION:

DRWN: DRWN BY

APPR: APPR BY

XXXX/XX/XX

XXXX/XX/XX

DOCUMENT NUMBER

SD-87831-011

DOC TYPE

PSD

DOC PART

001

REVISION

C4

PRODUCT CUSTOMER DRAWING

MGRID, SHROUDED HEADER
VERTICAL W/SLOT & STANDOFF

MATERIAL NUMBER

CUSTOMER

SHEET NUMBER

A3-SIZE

87831

GENERAL MARKET

4 OF 4

DOCUMENT STATUS

P1

RELEASE DATE

2019/07/09

06:47:14

Mouser Electronics

Authorized Distributor

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[87831-5520](#)