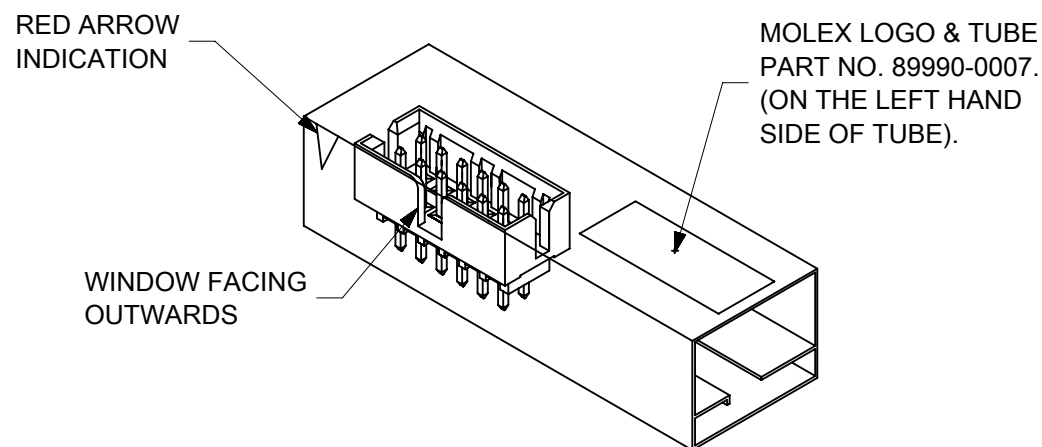
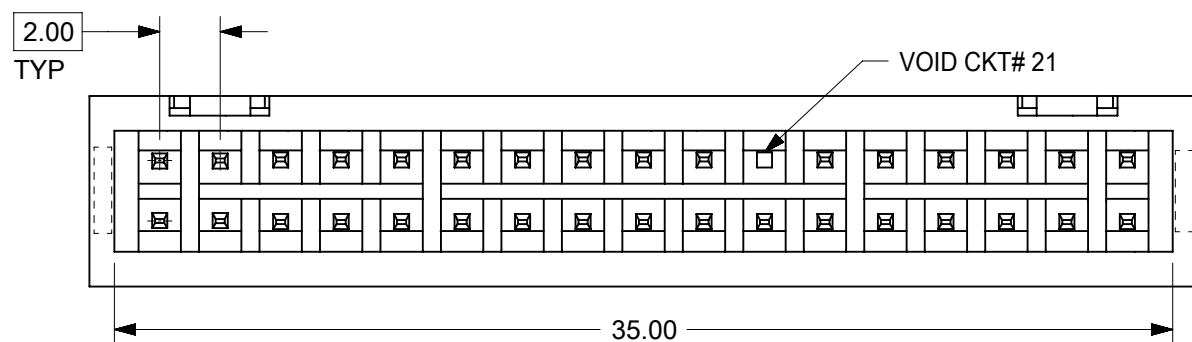
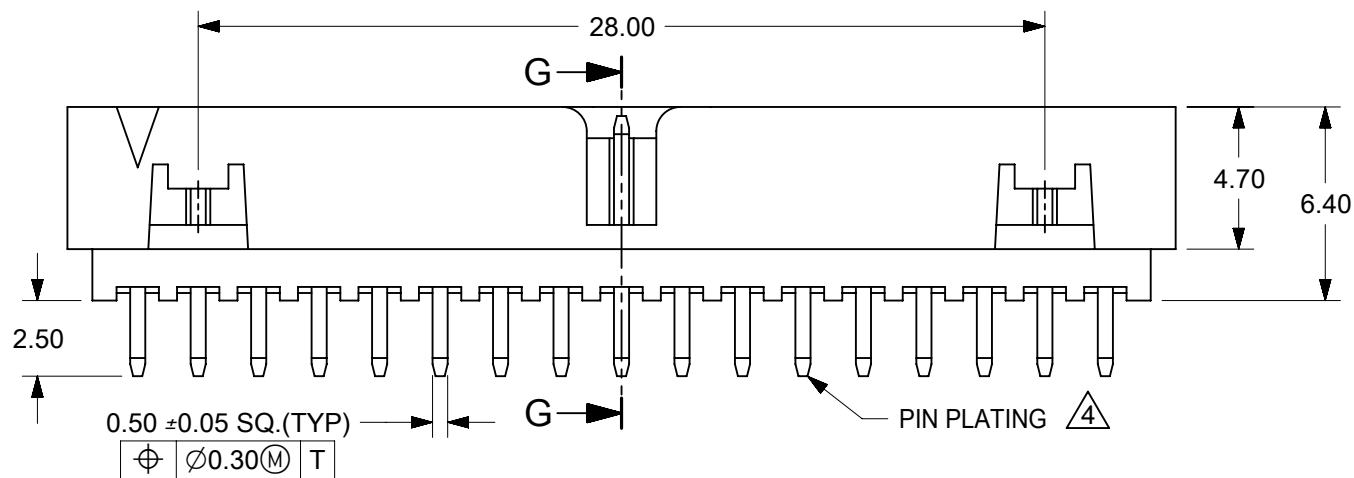
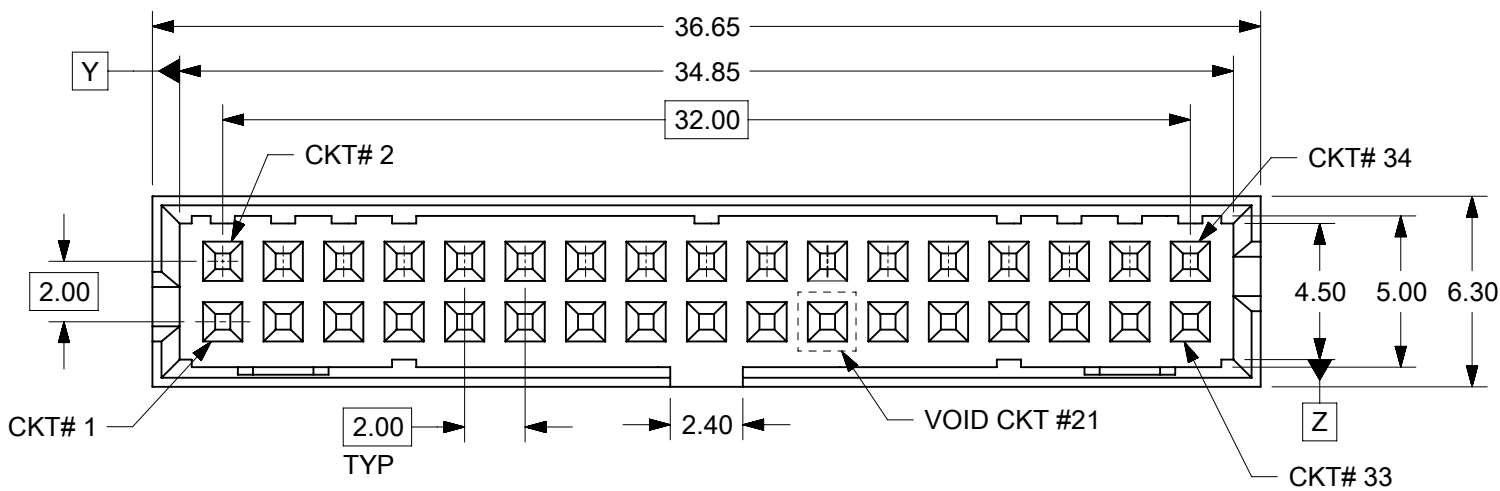
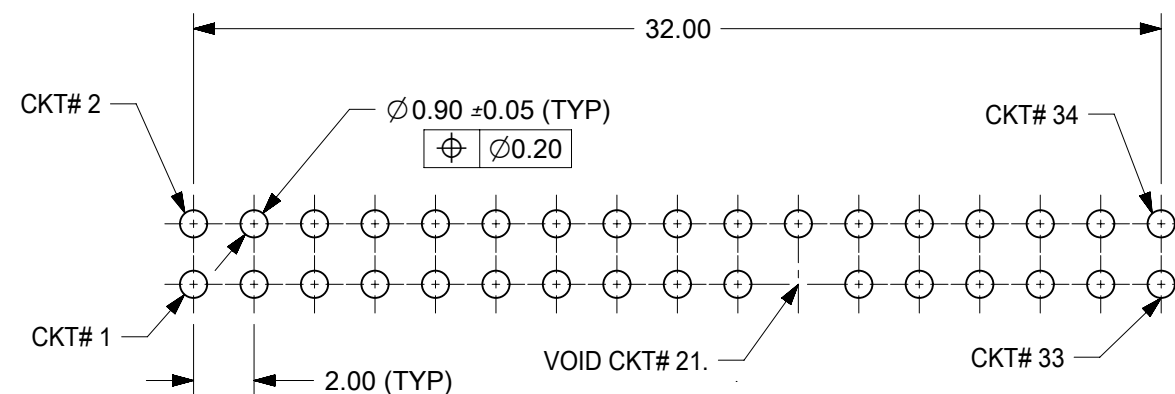
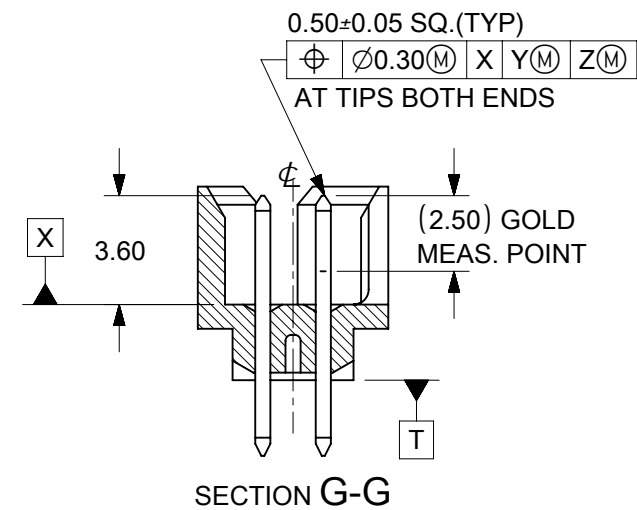




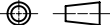
REF : ORIENTATION OF PART IN TUBE.
(FOR THE REFERENCE OF PART/TUBE ASSEMBLY.)



RECOMMENDED PCB PATTERN

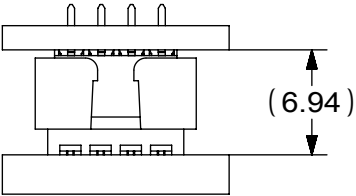
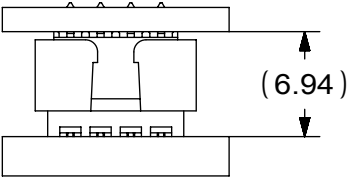
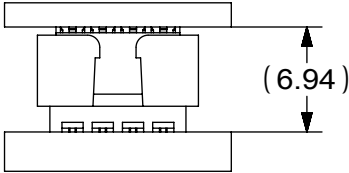
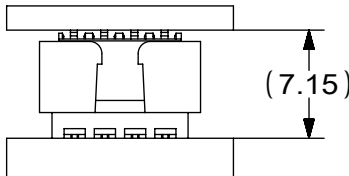
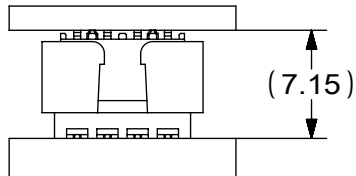
NOTES :

- MATERIALS:
HOUSING : 30%GF, NYLON 46, UL94V-0, COLOR BLACK
PIN : 0.50mm SQ. PHOSPHOR BRONZE.
- PRODUCT SPECIFICATION PS-87831-027 APPLIES.
- PIN PUSHOUT FORCE : 0.91 kg MIN. IN EITHER DIRECTION.
- PLATING OPTION:
87831-7000 - 0.38µm/15µin GOLD IN CONTACT AREA AND 1.88µm/75µin MIN. TIN IN SOLDER TAIL AREA OVER 1.27µm/50µin MIN. NICKEL OVERALL.
87831-7100 - GOLD FLASH IN CONTACT AREA AND 1.88µm/75µin MIN. TIN IN SOLDER TAIL AREA OVER 1.27µm/50µin MIN. NICKEL OVERALL
- THIS HEADER MATES WITH MOLEX :
a) CRIMP RECEPTACLE HOUSING, 51110 SERIES WITH CRIMP TERMINAL, 50394 SERIES.
b) 2mm MILLIGRID DUAL ROW IDT, 87568 SERIES.
- PARTS TO BE PACKED IN TUBE WITH MOISTURE BARRIER BAG.

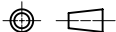
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION											
DIMENSION UNITS		SCALE		CURRENT REV DESC: ADDED BTB DIST.				molex			
MM		NTS									
GENERAL TOLERANCES (UNLESS SPECIFIED)				EC NO: 619055 DRWN: HK02 2019/05/21 CHK'D: NMANE02 2019/07/09 APPR: MRAMAKRISHNA 2019/07/09 INITIAL REVISION: DRWN: ATSEE 2003/10/06 APPR: SKTOH 2003/11/07				MGRID, SHROUDED HEADER VERTICAL, WITH VOID			
	MM	INCH									
4 PLACES	±	±									
3 PLACES	±	±									
2 PLACES	± 0.2	±									
1 PLACE	±	±									
0 PLACES	±	±									
ANGULAR TOL ± 3.0 °								DOCUMENT NUMBER			
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				SD-87831-015				PSD	001	A5	
				THIRD ANGLE PROJECTION				DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER
				A3-SIZE		87831		SEE TABLE		GENERAL MARKET	1 OF 2

REV A4 ORIGINALLY RELEASED BY ECM 170249

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		THIRD ANGLE PROJECTION 	DRAWING A3-SIZE

CURRENT REV DESC: ADDED BTB DIST.

EC NO: 619055
DRWN: HK02
CHK'D: NMANE02
APPR: MRAMAKRISHNA

2019/05/21
2019/07/09
2019/07/09

molex

MGRID, SHROUDED HEADER
VERTICAL, WITH VOID

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER		DOC TYPE	DOC PART	REVISION
SD-87831-015		PSD	001	A5
MATERIAL NUMBER		CUSTOMER		SHEET NUMBER
		GENERAL MARKET		2 OF 2

Mouser Electronics

Authorized Distributor

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Molex:

[87831-7000](#) [87831-7100](#)