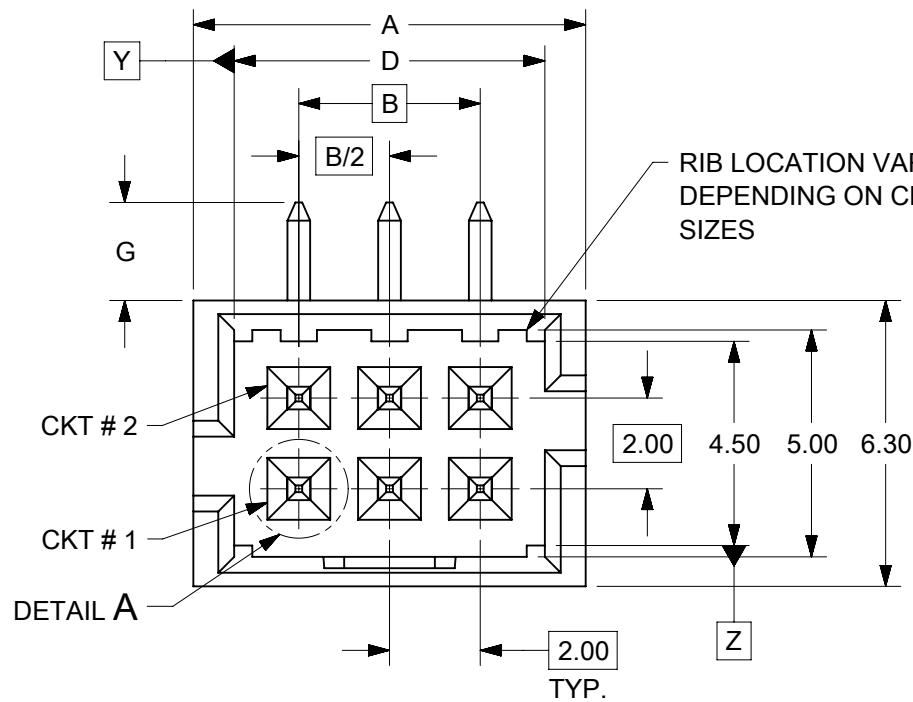
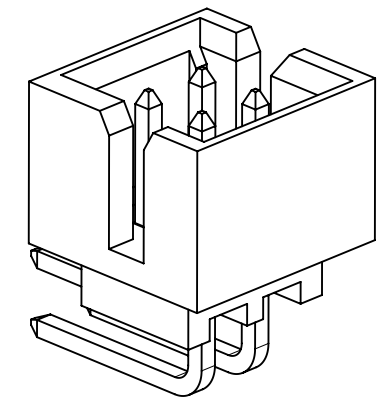
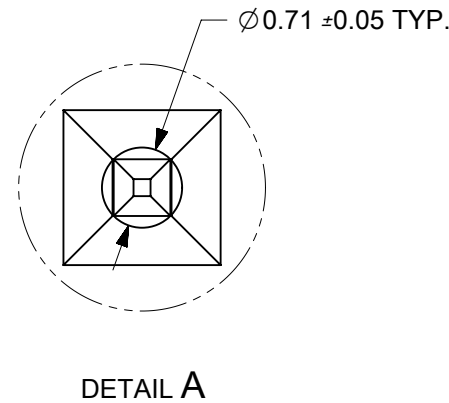
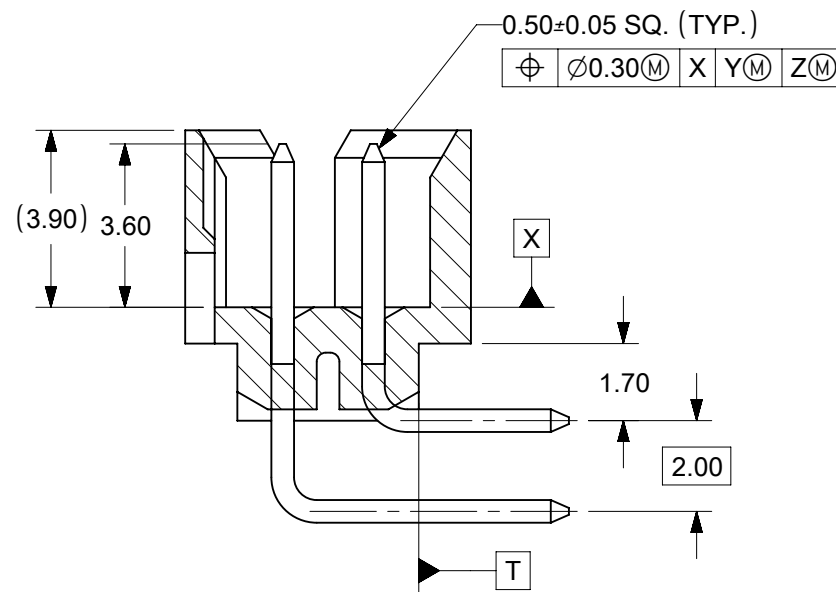
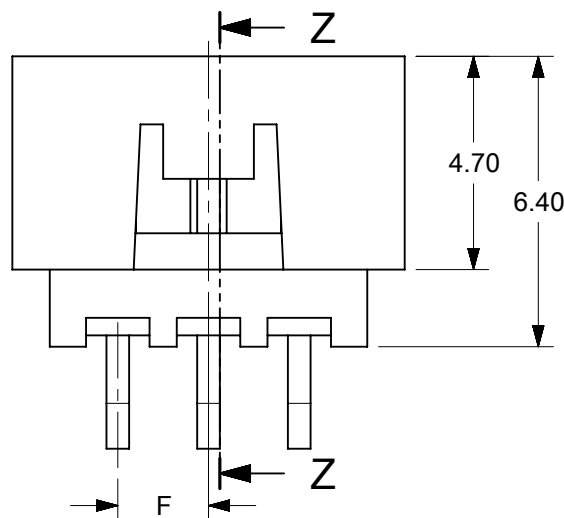




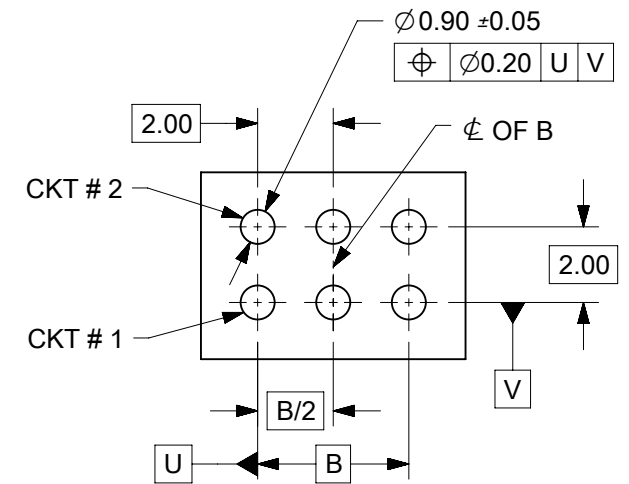
4 TO 6 CIRCUITS



ISO VIEW OF HEADER
DUAL SIDE SLOTS



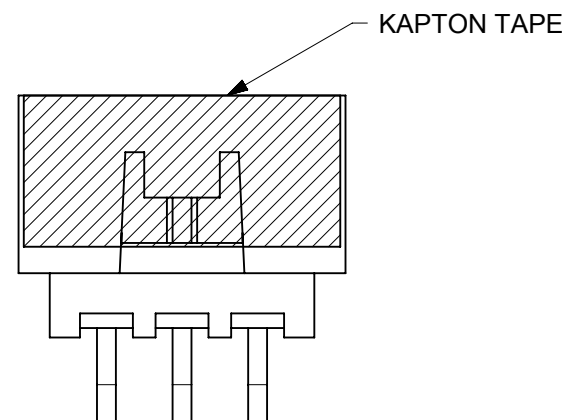
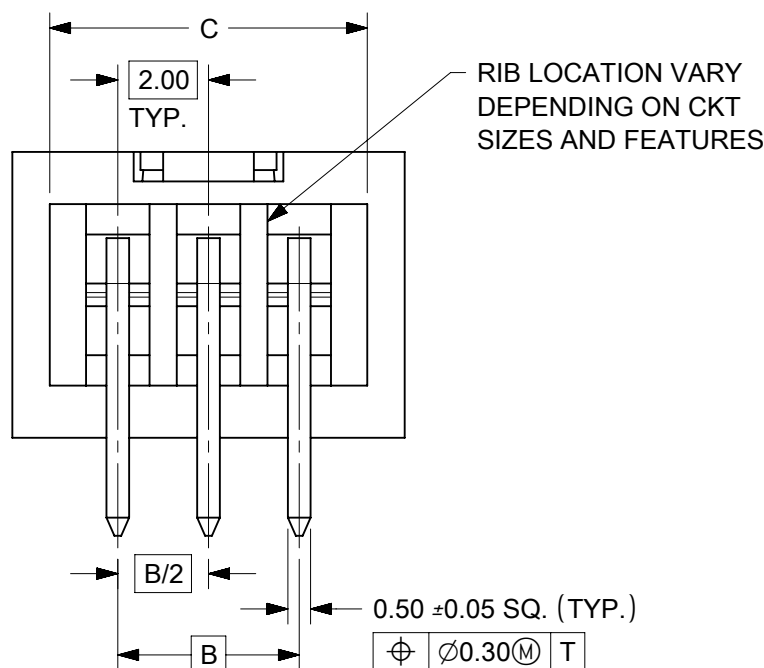
SECTION Z-Z



RECOMMENDED PCB LAYOUT

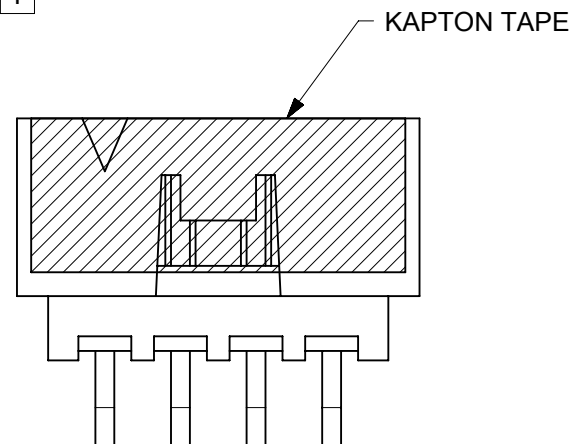
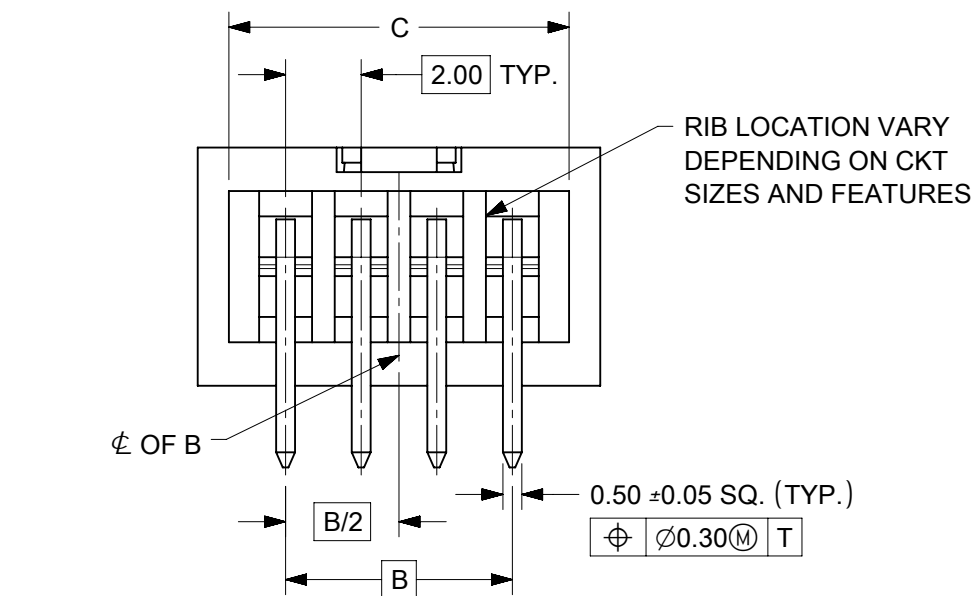
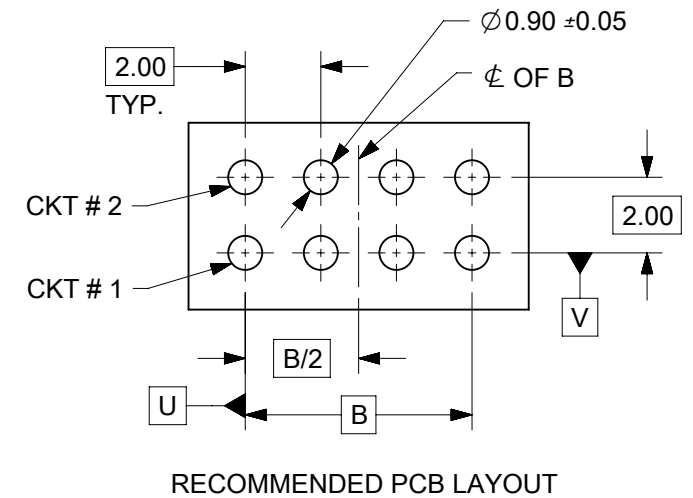
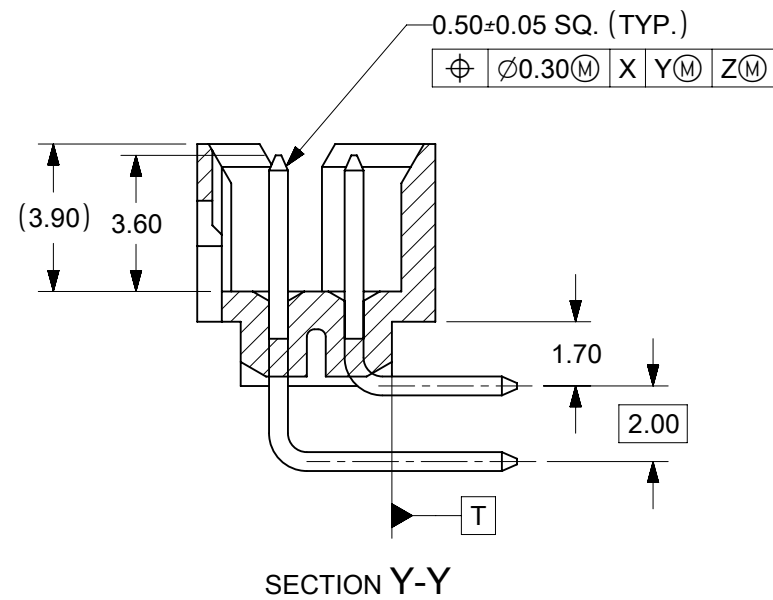
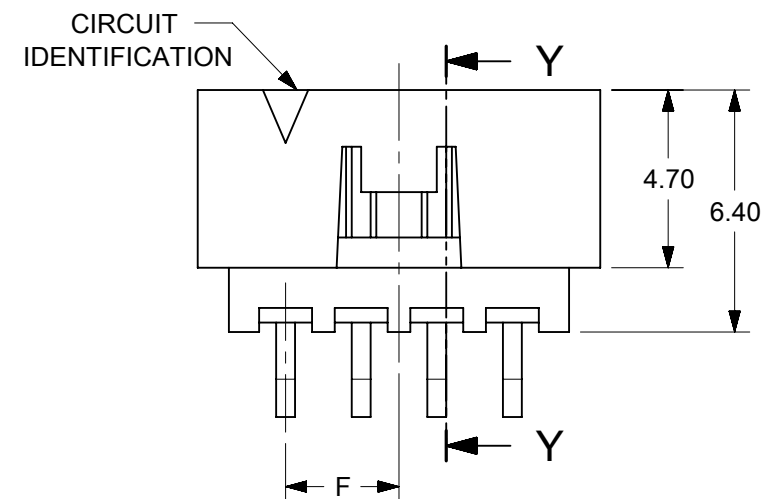
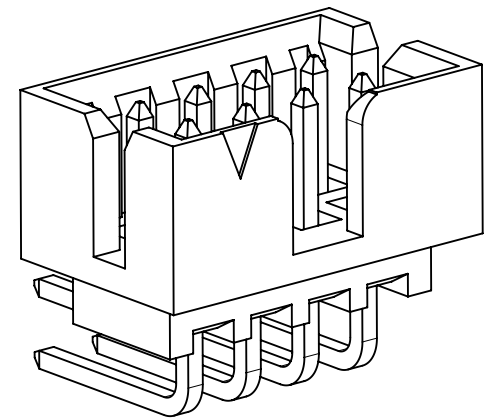
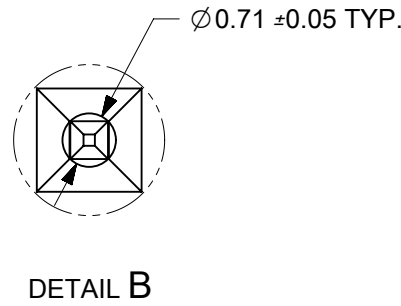
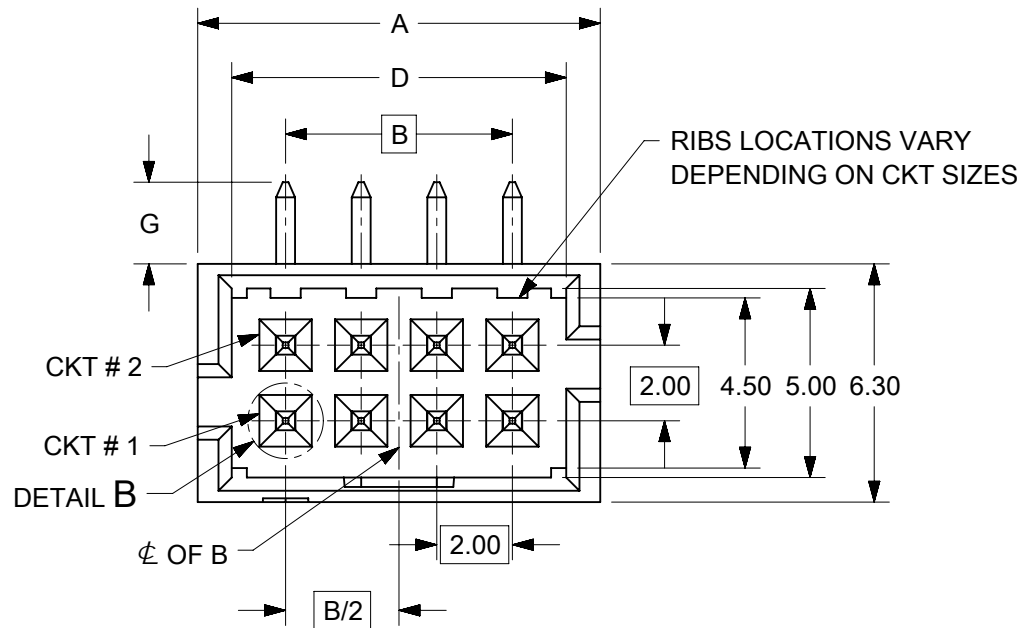
NOTES:

1. MATERIALS:
HOUSING: 30% GF, NYLON, UL94V-0, COLOR: BLACK.
PIN: 0.50mm SQ. PHOSPHOR BRONZE.
2. FINISHES: REFER TO PLATING OPTIONS.
3. PRODUCT SPECIFICATION: PS-87831-027
4. PACKAGING SPECIFICATION: SEE PACKAGING SPECS TABLE ON SHEET 1
5. MATES WITH: A. MOLEX CRIMP RECEPTACLE HOUSING: 51110 SERIES AND CRIMP TERMINAL: 50394 SERIES.
B. MOLEX 2MM MILLIGRID DUAL ROW IDT: 87568 SERIES.
C. MOLEX 2MM MILLIGRID DUAL ROW RECEPTACLE: 79107 (GOLD PLATED), 78787 (TIN PLATED)
6. FOR ILLUSTRATION PURPOSE, 6 CIRCUITS HEADER IS SHOWN.

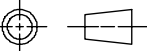


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RE-MASTERED IN ECTR EC NO: 119993 DRWN: MUM CHK'D: GMENARLY REV APPR: KHLIM	2017/06/26 2017/08/10 2017/08/10	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION UNITS		SCALE		molex®							
					MM		NTS									
			MM	INCH	DRWN BY		DATE		MILLIGRID, 2MM PITCH SHROUDED HEADER R/A, THROUGH HOLE							
		4 PLACES	±	±	GMENARLY		2015/09/29									
		3 PLACES	±	±	CHK'D BY		DATE									
		2 PLACES	± 0.2	±	CGOH		2015/10/30									
		1 PLACES	±	±	APPR BY		DATE									
		0 PLACES	±	±	KHLIM		2015/11/03		PRODUCT CUSTOMER DRAWING							
		ANGULAR TOL ± 3.0			DRAWING SIZE		THIRD ANGLE PROJECTION							SERIES	MATERIAL NUMBER	
		A7	REV	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			A3				87833		SEE TABLE		GENERAL MARKET	
DOCUMENT NUMBER											DOC TYPE		DOC PART		SHEET NUMBER	
									SD-87833-0001		PSD		001		2 OF 9	

8 TO 12 CIRCUITS

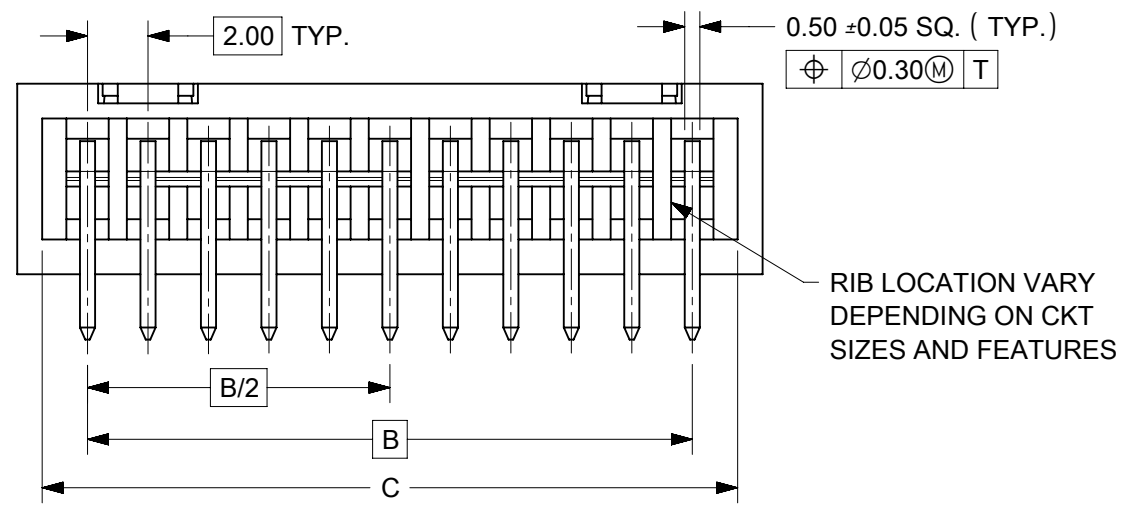
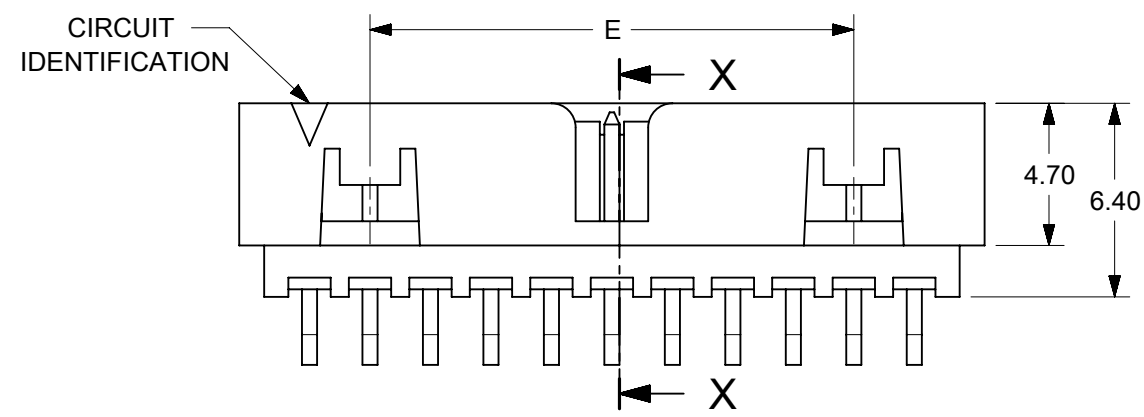
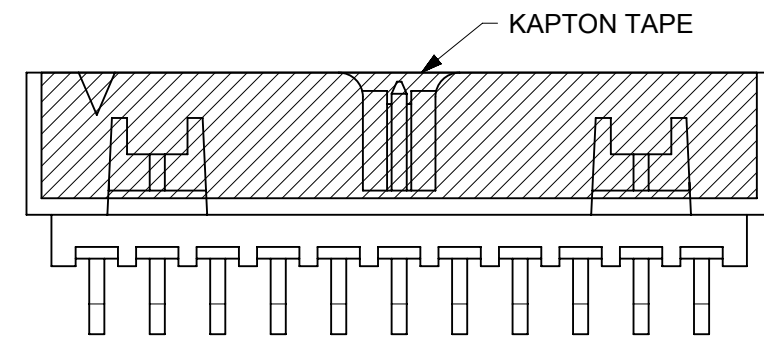
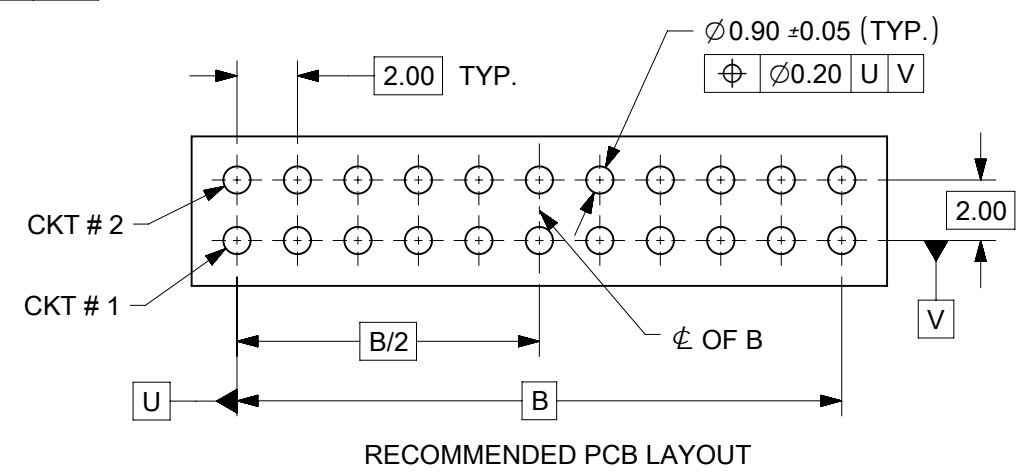
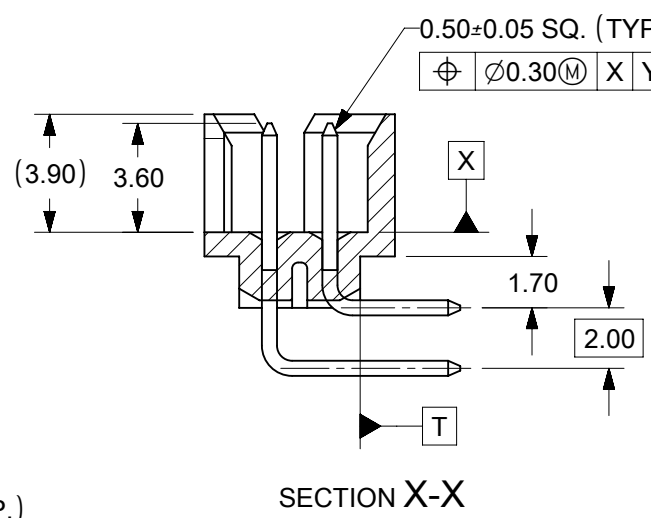
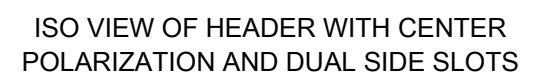


- NOTES:
1. MATERIALS:
HOUSING: 30% GF, NYLON, UL94V-0, COLOR: BLACK
PIN: 0.50mm SQ. PHOSPHOR BRONZE.
 2. FINISHES: REFER TO PLATING OPTIONS.
 3. PRODUCT SPECIFICATION: PS-87831-027
 4. PACKAGING SPECIFICATION: SEE PACKAGING SPECS TABLE ON SHEET 1
 5. MATES WITH: A. MOLEX CRIMP RECEPTACLE HOUSING: 51110 SERIES AND CRIMP TERMINAL: 50394 SERIES.
B. MOLEX 2mm MILLIGRID DUAL ROW IDT: 87568 SERIES.
C. MOLEX 2mm MILLIGRID DUAL ROW RECEPTACLE: 79107 (GOLD PLATED), 78787 (TIN PLATED)
 6. FOR ILLUSTRATION PURPOSE, 8 CIRCUIT HEADER IS SHOWN.

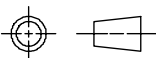
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RE-MASTERED IN ECTR EC NO: 119993 DRWN: MUM CHK'D: GMENARLY REV APPR: KHLIM	2017/06/26 2017/08/10 2017/08/10	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION UNITS		SCALE		molex®					
			MM	INCH	MM		NTS							
		4 PLACES	±		±	DRWN BY		DATE		MILLIGRID, 2MM PITCH SHROUDED HEADER R/A, THROUGH HOLE				
						GMENARLY		2015/09/29						
		3 PLACES	±		±	CHK'D BY		DATE						
		2 PLACES	± 0.2		±	CGOH		2015/10/30						
		1 PLACES	±		±	APPR BY		DATE						
		0 PLACES	±		±	KHLIM		2015/11/03		PRODUCT CUSTOMER DRAWING				
		ANGULAR TOL ± 3.0			DRAWING SIZE		THIRD ANGLE PROJECTION		SERIES	MATERIAL NUMBER		CUSTOMER		
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			A3				87833	SEE TABLE		GENERAL MARKET		
DOCUMENT NUMBER									DOC TYPE	DOC PART	SHEET NUMBER			
A7	REV						SD-87833-0001		PSD	001	4 OF 9			

DETAIL C

$\varnothing 0.71 \pm 0.05$ TYP.



- NOTES:
1. MATERIALS:
HOUSING: 30% GF, NYLON, UL94V-0, COLOR: BLACK.
PIN: 0.50mm SQ PHOSPHOR BRONZE.
 2. FINISHES: REFER TO PLATING OPTIONS.
 3. PRODUCT SPECIFICATION: PS-87831-027
 4. PACKAGING SPECIFICATION: SEE PACKAGING SPECS TABLE ON SHEET 1
 5. MATES WITH: A. MOLEX CRIMP RECEPTACLE HOUSING: 51110 SERIES
AND CRIMP TERMINAL: 50394 SERIES.
B. MOLEX 2mm MILLIGRID DUAL ROW IDT: 87568 SERIES.
C. MOLEX 2mm MILLIGRID DUAL ROW RECEPTACLE:
79107 (GOLD PLATED), 78787 (TIN PLATED)
 6. FOR ILLUSTRATION PURPOSE, 22 CIRCUITS HEADER IS SHOWN.

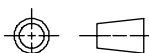
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																
RE-MASTERED IN ECTR	EC NO: 119993 DRWN: MUM CHK'D: GMENARLY APPR: KHLIM	2017/06/26 2017/08/10 2017/08/10	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION UNITS		SCALE		molex®						
						MM		NTS								
				MM	INCH	DRWN BY		DATE		MILLIGRID, 2MM PITCH SHROUDED HEADER R/A, THROUGH HOLE						
			4 PLACES	±	±	GMENARLY		2015/09/29								
			3 PLACES	±	±	CHK'D BY		DATE								
			2 PLACES	± 0.2	±	CGOH		2015/10/30								
			1 PLACES	±	±	APPR BY		DATE								
			0 PLACES	±	±	KHLIM		2015/11/03								
			ANGULAR TOL ± 3.0			DRAWING SIZE		THIRD ANGLE PROJECTION		SERIES		MATERIAL NUMBER		CUSTOMER		
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			A3				87833		SEE TABLE		GENERAL MARKET		
DOCUMENT NUMBER		DOC TYPE								DOC PART		SHEET NUMBER				
A7		REV							SD-87833-0001		PSD		001		6 OF 9	

40 TO 50 CIRCUITS

CKT SIZE	ASSY. P/N WITHOUT KAPTON IN TUBE	ASSY. P/N WITH KAPTON IN TUBE	ASSY. P/N WITH KAPTON IN T&R	PLATING OPTIONS	FRICTION LOCKS		DUAL SIDE SLOTS	CENTER POLARIZATION	DIMENSION						
					DUAL	CENTER			A	B	C	D	E	F	G (SOLDER TAIL)
40	87833-4019	N.A	N.A	1	YES	N.A	YES	YES	42.65	38.00	41.00	40.85	34.00	N.A	2.16
	87833-4020	N.A	N.A	2											
	87833-4021	N.A	N.A	3											
42	87833-4219	N.A	N.A	1	YES	N.A	YES	YES	44.65	40.00	43.00	42.85	36.00	N.A	2.16
	87833-4220	N.A	N.A	2											
	87833-4221	N.A	N.A	3											
44	87833-4419	N.A	N.A	1	YES	N.A	YES	YES	46.65	42.00	45.00	44.85	38.00	N.A	2.16
	87833-4420	N.A	N.A	2											
	87833-4421	N.A	N.A	3											
	87833-4424	N.A	N.A	2	N.A	N.A	YES	YES							
	87833-4425	N.A	N.A	3											2.92
46	87833-4619	N.A	N.A	1	YES	N.A	YES	YES	48.65	44.00	47.00	46.85	40.00	N.A	2.16
	87833-4620	N.A	N.A	2											
	87833-4621	N.A	N.A	3											
48	87833-4819	N.A	N.A	1	YES	N.A	YES	YES	50.65	46.00	49.00	48.85	42.00	N.A	2.16
	87833-4820	N.A	N.A	2											
	87833-4821	N.A	N.A	3											
50	87833-5019	N.A	N.A	1	YES	N.A	YES	YES	52.65	48.00	51.00	50.85	44.00	N.A	2.16
	87833-5020	N.A	N.A	2											
	87833-5021	N.A	N.A	3											

PLATING OPTIONS:

- 1 - 0.05-0.13µm/2-5µin GOLD IN CONTACT AREA AND
1.88µm/75µin MIN. MATTE TIN IN SOLDER TAIL AREA OVER
1.27µm/50µin MIN. NICKEL OVERALL.
- 2 - 0.38µm/15µin MIN. GOLD IN CONTACT AREA AND
1.88µm/75µin MIN. MATTE TIN IN SOLDER TAIL AREA OVER
1.27µm/50µin MIN. NICKEL OVERALL.
- 3 - 0.76µm/30µin MIN. GOLD IN CONTACT AREA AND
1.88µm/75µin MIN. MATTE TIN IN SOLDER TAIL AREA OVER
1.27µm/50µin MIN. NICKEL OVERALL.

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RE-MASTERED IN ECTR	2017/06/26 2017/08/10 2017/08/10	EC NO: 119993 DRWN: MUM CHKD: GMENARLY APPR: KHLIM	2017/06/26 2017/08/10 2017/08/10	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION UNITS		SCALE		molex®						
							MM		NTS								
					MM	INCH	DRWN BY		DATE		MILLIGRID, 2MM PITCH SHROUDED HEADER R/A, THROUGH HOLE						
				4 PLACES	±	±	GMENARLY		2015/09/29								
				3 PLACES	±	±	CHK'D BY		DATE								
				2 PLACES	± 0.2	±	CGOH		2015/10/30								
				1 PLACES	±	±	APPR BY		DATE								
				0 PLACES	±	±	KHLIM		2015/11/03		PRODUCT CUSTOMER DRAWING						
				ANGULAR TOL ± 3.0			DRAWING SIZE		THIRD ANGLE PROJECTION			SERIES		MATERIAL NUMBER		CUSTOMER	
				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			A3					87833		SEE TABLE		GENERAL MARKET	
DOCUMENT NUMBER		DOC TYPE										DOC PART		SHEET NUMBER			
A7	REV						SD-87833-0001			PSD		001		9 OF 9			