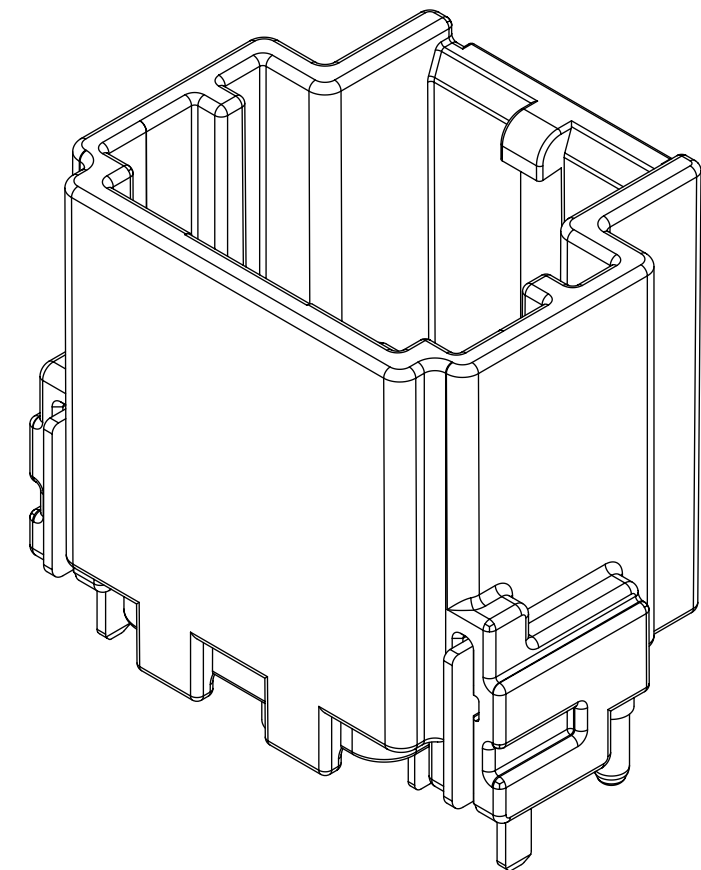


TABLE OF CONTENTS	
SHEET NO.	SHEET DESCRIPTION
1	NOTES & BOM
2	CONFIGURATIONS
3	CONNECTOR & PCB INTERFACE
4	RECOMMENDED PCB LAYOUT

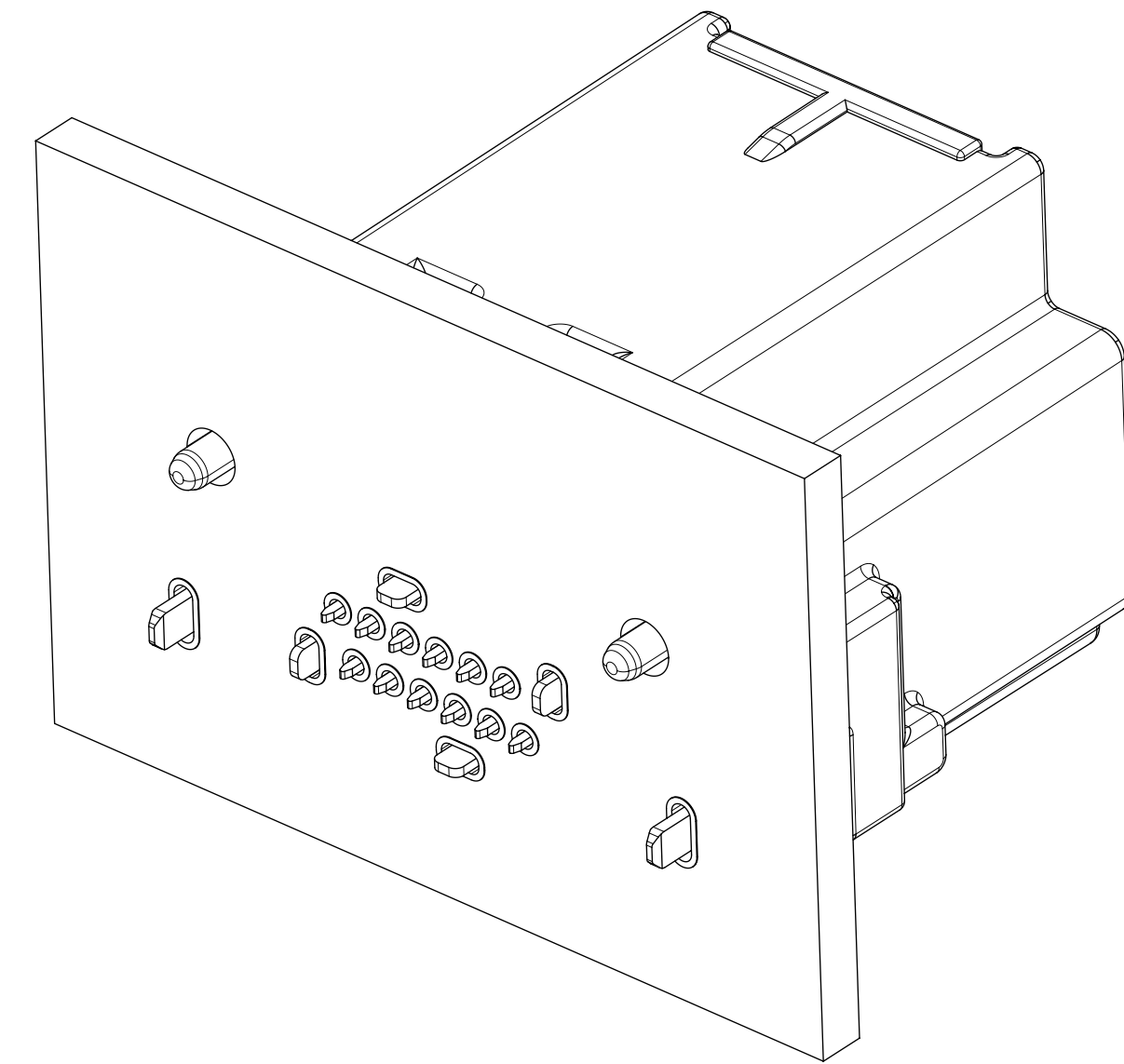
DESCRIPTION	MATERIAL NUMBER	CIRCUIT SIZE	COLOR	STATUS
12CKT UNSEALED VERTICAL HEADER ASSEMBLY - KEY A	348621106	2X6	BLACK	SALEABLE
12CKT UNSEALED VERTICAL HEADER ASSEMBLY - KEY B	348621116	2X6	GREY	SALEABLE
12CKT UNSEALED VERTICAL HEADER ASSEMBLY - KEY C	348621126	2X6	BROWN	OK TO TOOL
12CKT UNSEALED VERTICAL HEADER ASSEMBLY W/ 2 SHIELD TABS - KEY A	348621306	2X6	BLACK	OK TO TOOL



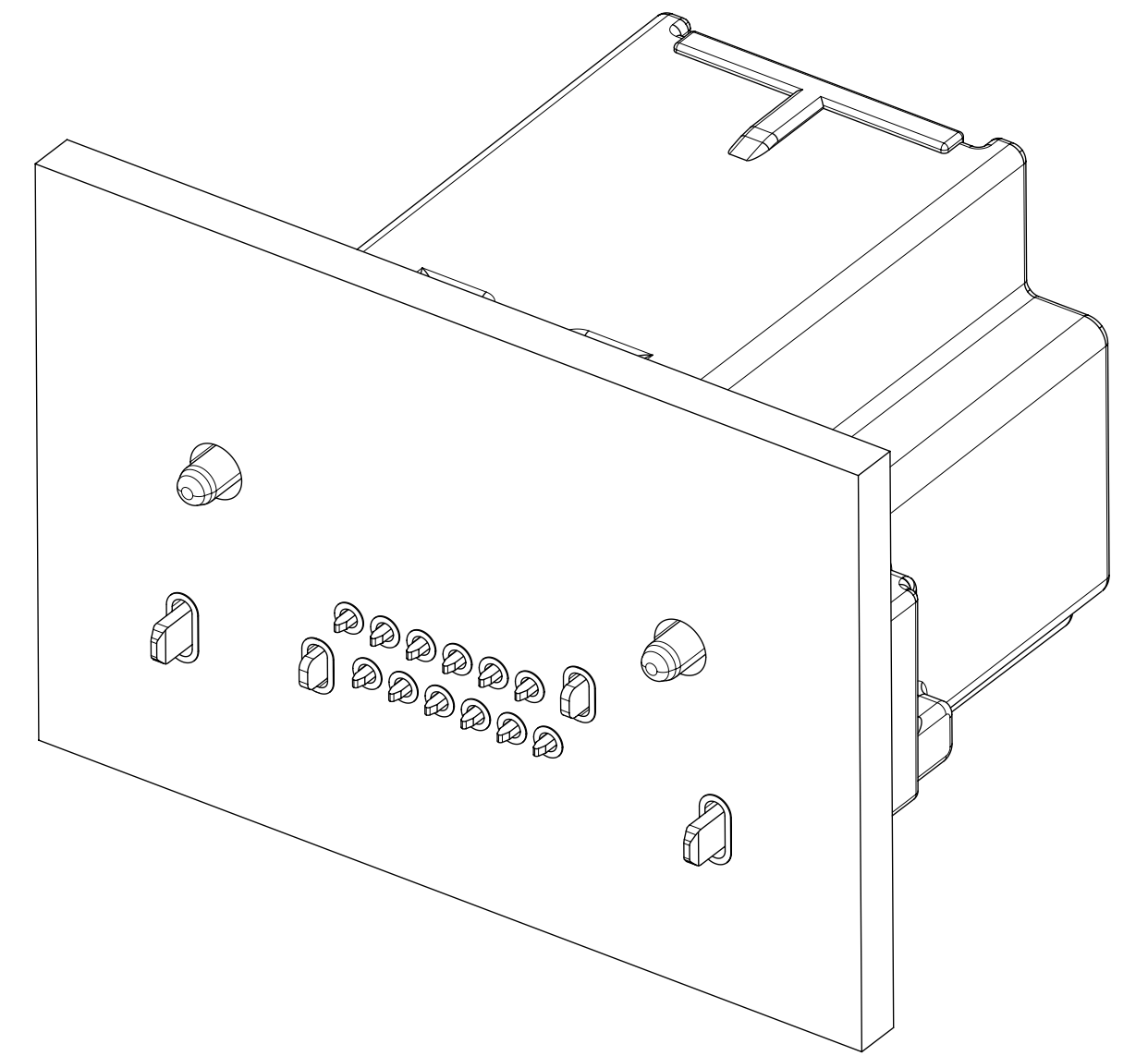
NOTES:

1. GENERAL:
 - a. APPLICATION SPECIFICATION SEE: AS-111149-002
 - b. PRODUCT SPECIFICATION SEE: PS-34861-001
 - c. PACKAGING SPECIFICATION PER MOLEX DRAWING: PK-34862-001
 - d. PARTS MUST BE IN COMPLIANCE TO MOLEX CHEMICAL SUBSTANCES FOR PRODUCTS AND PACKAGING SPECIFICATION: QEHS-699000-300
 - e. DATA MUST BE SUBMITTED UNDER THE MOLEX PART NUMBER TO IMDS (COMPANY ID#13255)
 - f. PCB TO BE FR4 .062" (1.57mm) THICK
 - g. MATING CONNECTOR MINIMUM CLEARANCE: REGION TO REMAIN CLEAR OF MODULE COMPONENTS, ADHESIVE, DEBRIS, ETC.
2. DESIGN - MATERIALS:
 - a. HEADER HOUSING - SPS GF30%
 - b. TERMINALS - COPPER ALLOY
OVERMOLDING - LCP GF30%
MATE-SIDE PLATING: SELECTIVE GOLD OVER NICKEL
PCB-SIDE PLATING: TIN OVER NICKEL
 - c. BISCUIT HOUSING - SPS GF30%
 - d. SHIELDS - COPPER ALLOY
PLATING (OVERALL): TIN OVER NICKEL
3. DESIGN - GEOMETRY:
 - a. GEOMETRIC DIMENSIONS AND TOLERANCES PER ASME Y14.5M-2009
 - b. EDGES AND UNDIMENSIONED DETAILS PER ISO13715
 - c. CORNERS SHOWN AS SHARP TO BE R0.2 MAX.
4. LASER MARKING TO BE MARKED WITH:
 - HUMAN READABLE CODE (HRC)
 - PERMANENTLY APPLIED ON THE PART WITH 1.5MM LETTER SIZE
 - 5DIGIT JULIAN MANUFACTURING DATE STAMP YYDDD

4 SHIELD TAB VERSION
34862-11XX



2 SHIELD TAB VERSION
34862-13XX



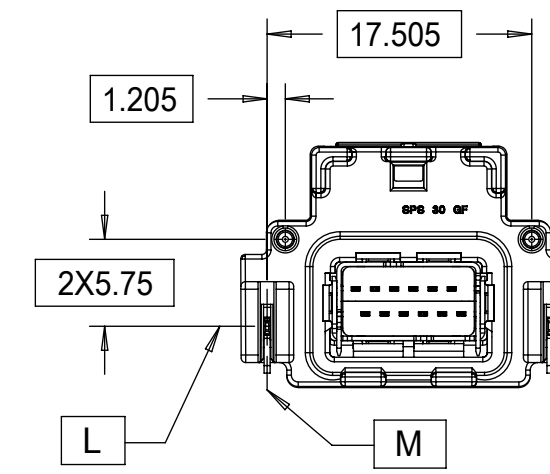
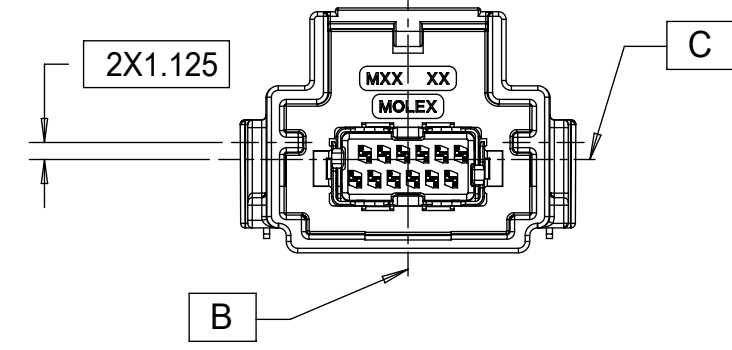
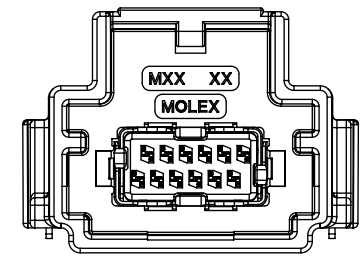
QUALITY SYMBOLS 	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION										
	2017/02/02	2017/03/10	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION UNITS	SCALE					
	DRWN: HKASSAB	CHKD: DNAYLIS	ANGULAR TOL ± °		MM	5:1					
	EC NO: 114077 DRWN: HKASSAB CHKD: DNAYLIS REV APPR:	4 PLACES ±	BHU02		DATE	2015/03/24		12CKT HSAUTOLINK II VERTICAL UNSEALED HEADER ASSEMBLY			
		3 PLACES ±	CHKD BY		DATE						
		2 PLACES ± 0.13	DNAYLIS		2017/03/10		PRODUCT CUSTOMER DRAWING				
		1 PLACE ± 0.25	DRAWING SIZE		THIRD ANGLE PROJECTION						
		0 PLACES ±	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		D			SERIES	MATERIAL NUMBER	CUSTOMER	
	B1	34862	GENERAL MARKET		DOCUMENT NUMBER	DOC TYPE	DOC PART	SHEET NUMBER			
		SD-34862-1106	PSD	000	1 OF 4						

SHEET DESCRIPTION
CONFIGURATIONS

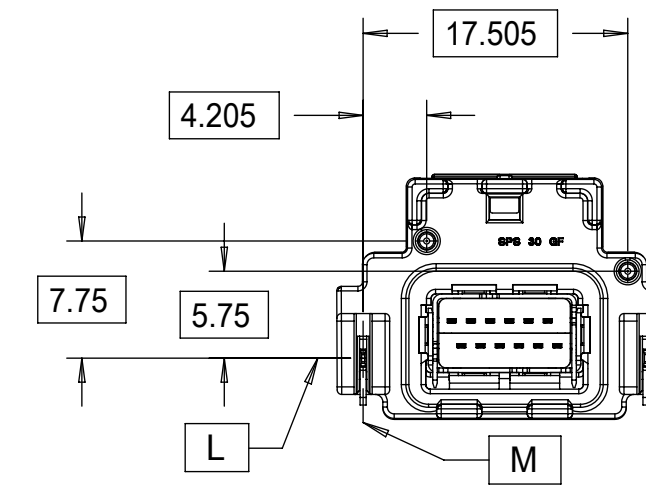
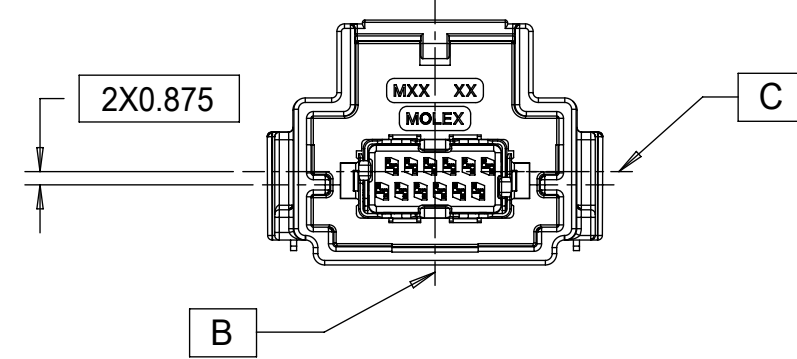
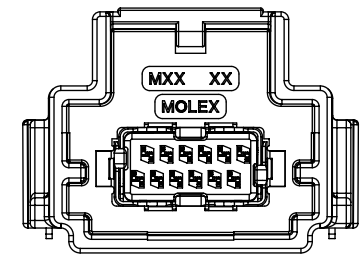
MATE INTERFACE
KEY OPTIONS

PCB INTERFACE
KEY OPTIONS

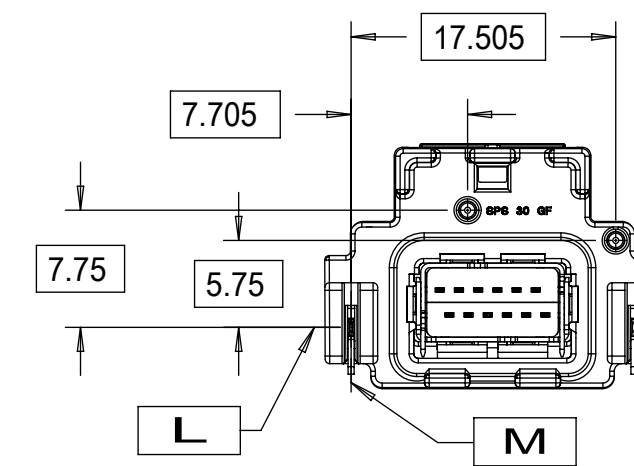
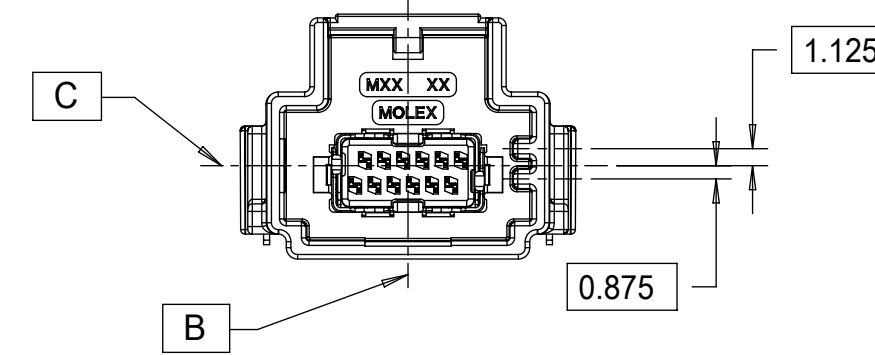
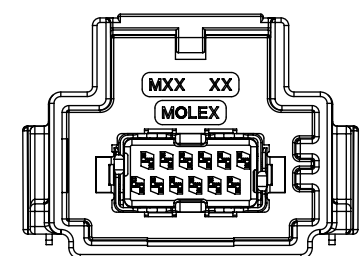
P/N: 34862-1106
KEY OPTION A
COLOR: BLACK



P/N: 34862-1116
KEY OPTION B
COLOR: GREY



P/N: 34862-1126
KEY OPTION C
COLOR: BROWN

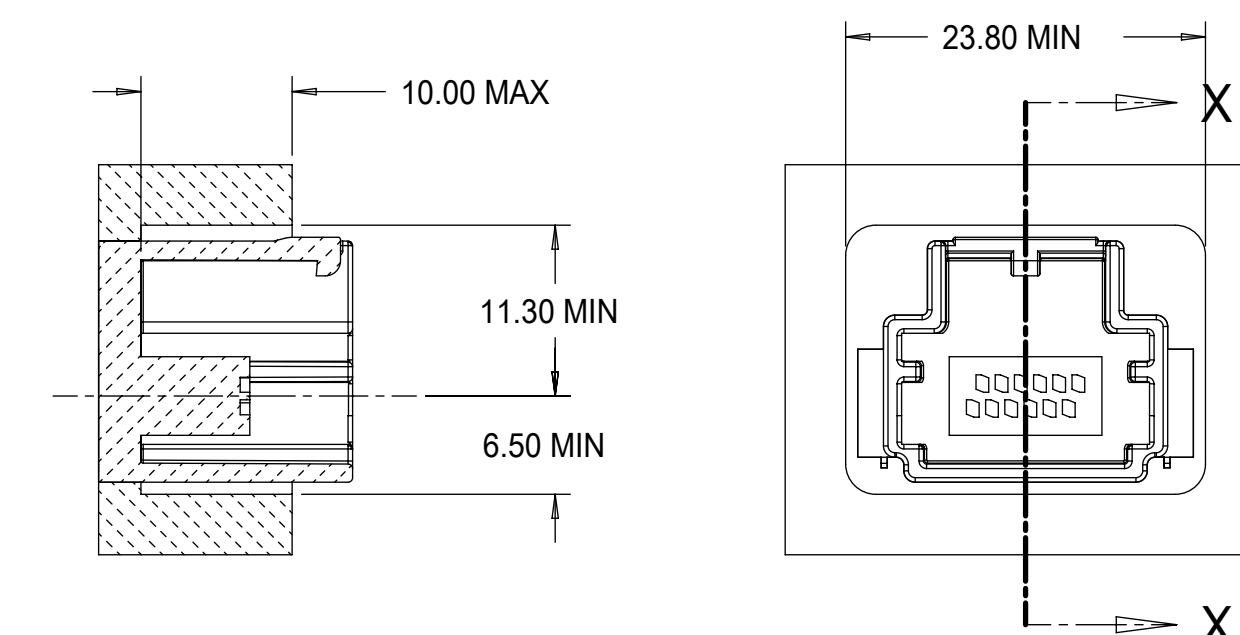


<p>QUALITY SYMBOLS</p> <p>▽ = 0</p> <p>▽ = 0</p> <p>▽ = 0</p> <p>▽ = 0</p> <p>▽ = 0</p> <p>▽ = 0</p> <p>▽ = 0</p> <p>▽ = 0</p> <p>▽ = 0</p> <p>▽ = 0</p>		<p>THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION</p>		<p>GENERAL TOLERANCES (UNLESS SPECIFIED)</p> <p>ANGULAR TOL ± °</p> <p>4 PLACES ±</p> <p>3 PLACES ±</p> <p>2 PLACES ± 0.13</p> <p>1 PLACE ± 0.25</p> <p>0 PLACES ±</p> <p>DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS</p>		<p>DIMENSION UNITS: MM</p> <p>SCALE: DRWN BY: BHU02 DATE: 2015/03/24</p> <p>CHKD BY: CHKD BY: DNAYLIS DATE: 2017/03/10</p> <p>DRAWING SIZE: D THIRD ANGLE PROJECTION</p>		<p>molex</p> <p>12CKT HSAUTOLINK II VERTICAL UNSEALED HEADER ASSEMBLY</p> <p>PRODUCT CUSTOMER DRAWING</p>		<p>SERIES: 34862 MATERIAL NUMBER: CUSTOMER: GENERAL MARKET</p>	
<p>EC NO: 114077</p> <p>DRWN: HKASSAB</p> <p>CHKD: DNAYLIS</p> <p>REV: APPR: 2017/02/02 2017/03/10</p>		<p>B1</p>		<p>2017/02/02</p>		<p>2017/03/10</p>		<p>34862</p>		<p>SD-34862-1106 PSD 000 2 OF 4</p>	

SHEET DESCRIPTION
CONNECTOR AND PCB INTERFACE

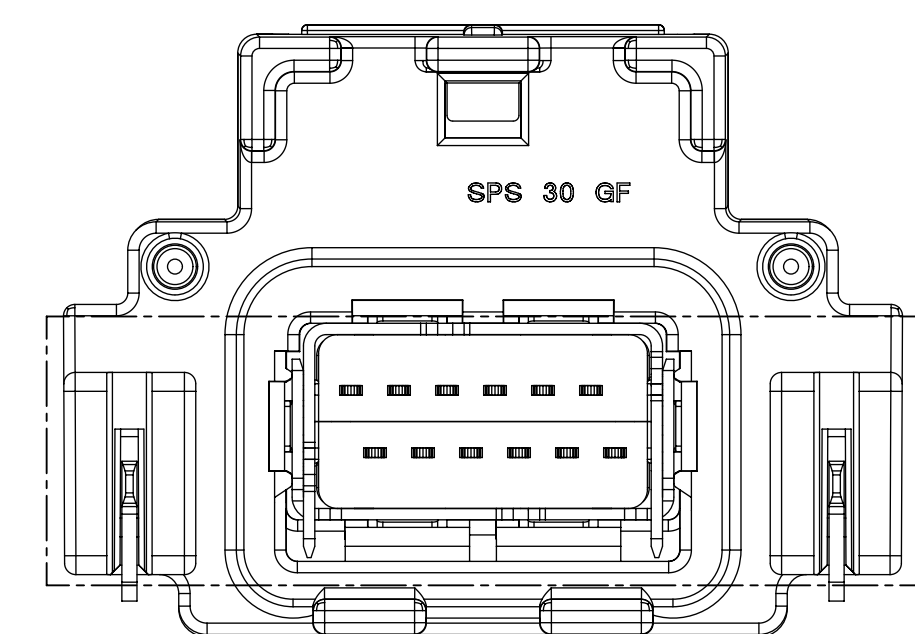
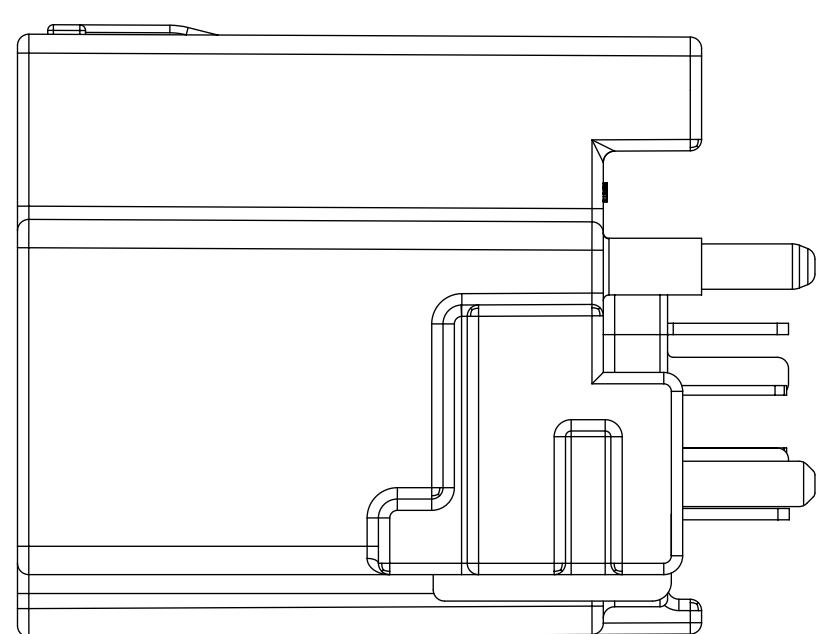
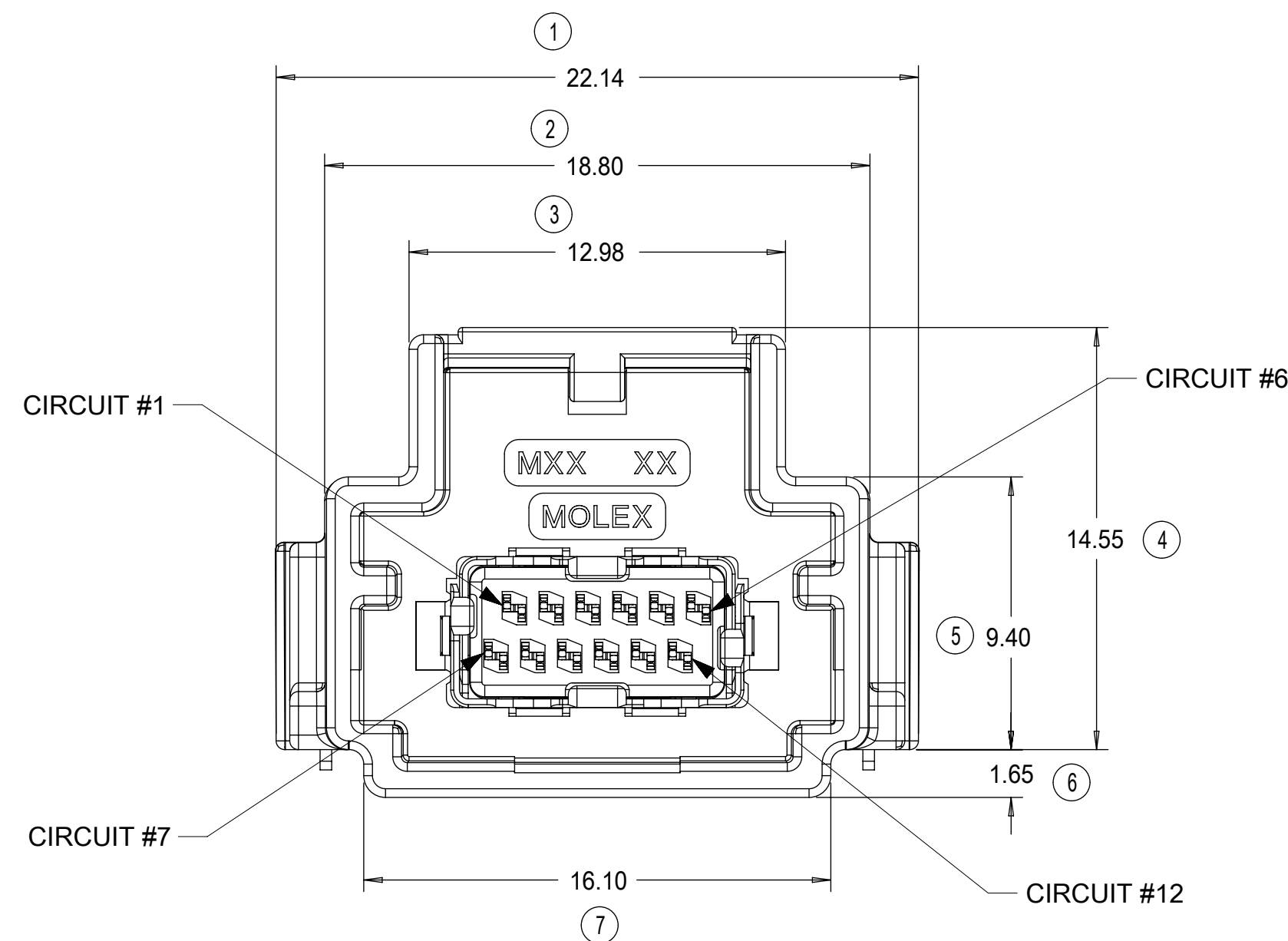
MATING HARNESS CONNECTOR KEEP OUT REGION

IF HEADER IS RECESSED INTO A POCKET, THESE DIMENSIONS REPRESENT THE MINIMUM CLEARANCE REQUIRED FOR THE MATING CONNECTOR SHOULD.

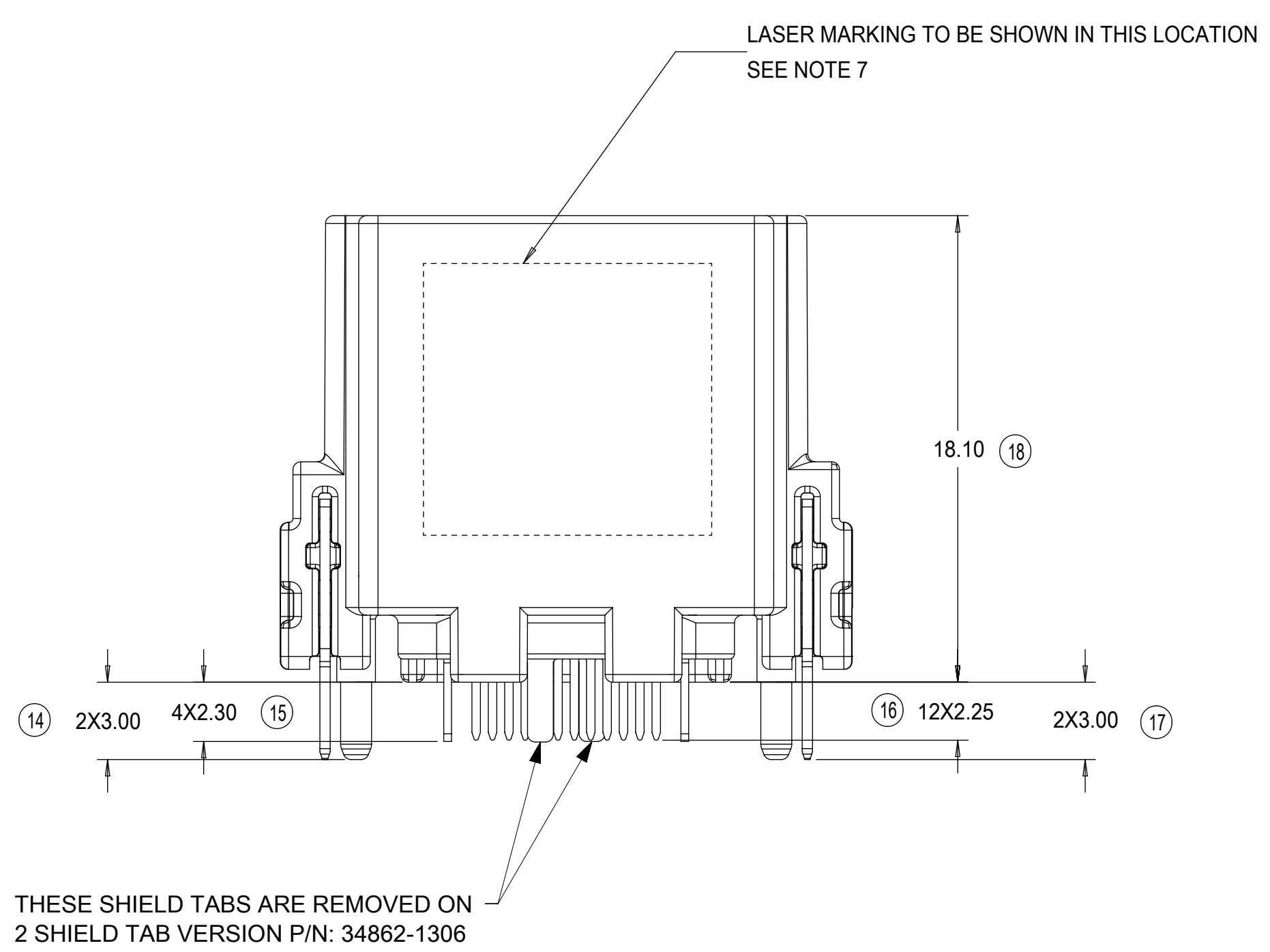


SECTION X-X
SCALE 2:1

Front22
SCALE 2:1

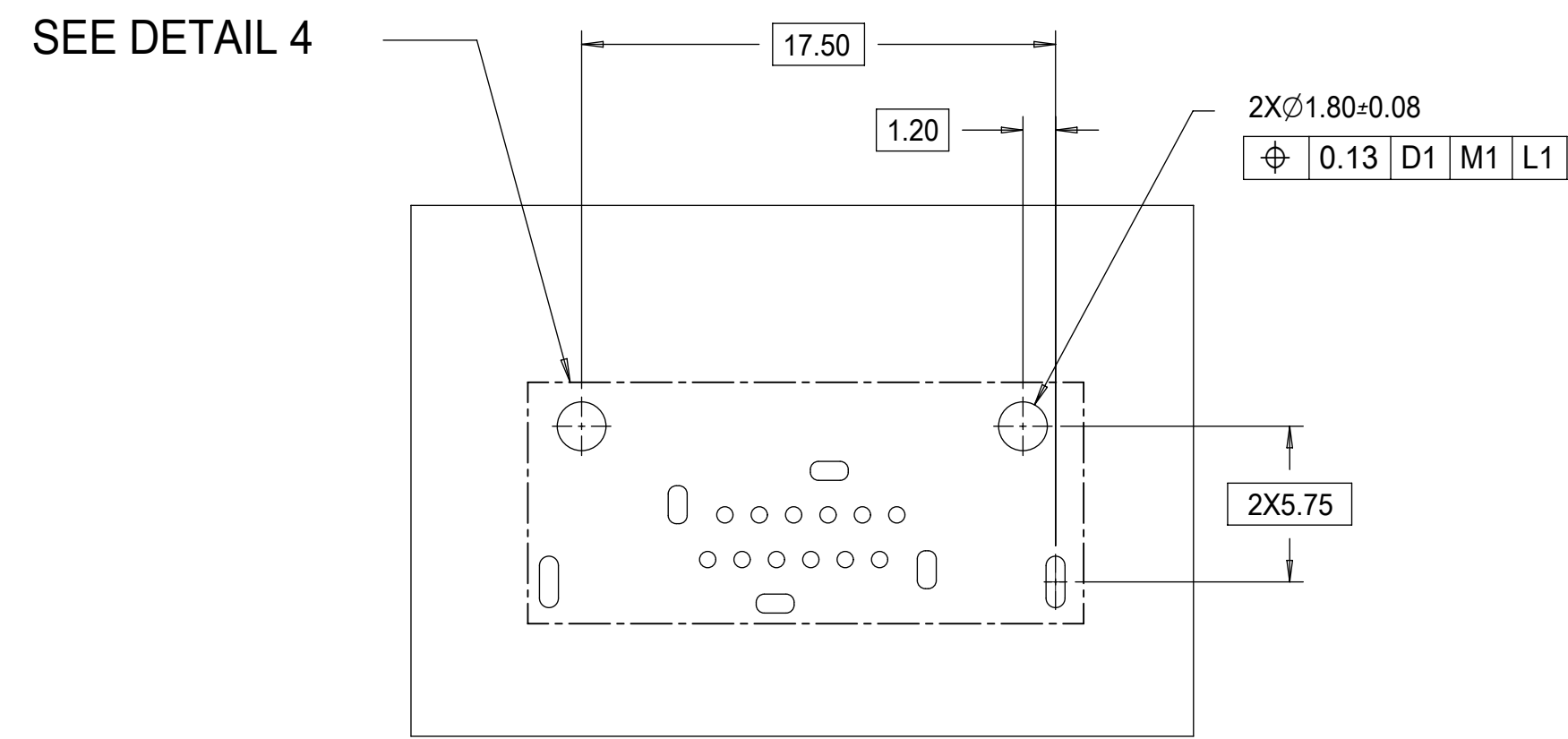


DETAIL 2
SEE SHEET 4

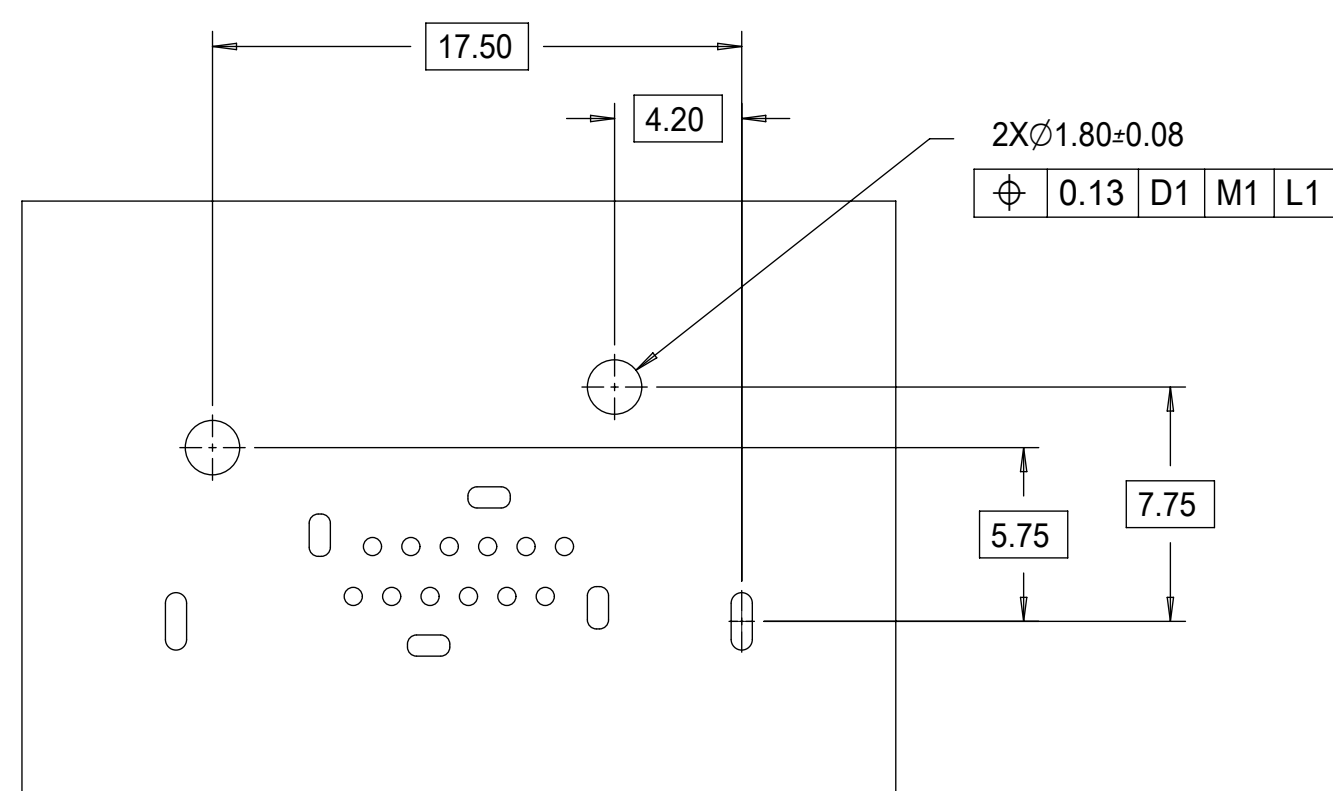


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QUALITY SYMBOLS	2017/02/02	2017/03/10	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION UNITS	SCALE			
			ANGULAR TOL ± °		MM				
▽ = 0	EC NO: 114077 DRWN: HKASSAB CHKD: REV/ APPR: DNAYLIS	2017/03/10	4 PLACES ±		DRWN BY	DATE	12CKT HSAUTOLINK II VERTICAL UNSEALED HEADER ASSEMBLY		
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▽ = 0			2 PLACES ± 0.13	CHKD BY	DATE	PRODUCT CUSTOMER DRAWING			
▽ = 0			1 PLACE ± 0.25	CHKD BY	DATE				
▽ = 0			0 PLACES ±	APPR BY	DATE	SERIES	MATERIAL NUMBER	CUSTOMER	
▽ = 0			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		DNAYLIS	2017/03/10	34862	GENERAL MARKET	
▽ = 0	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		DRAWING SIZE	THIRD ANGLE PROJECTION	DOCUMENT NUMBER	DOC TYPE	DOC PART	SHEET NUMBER	
	B1		D	⊕	SD-34862-1106	PSD	000	3 OF 4	

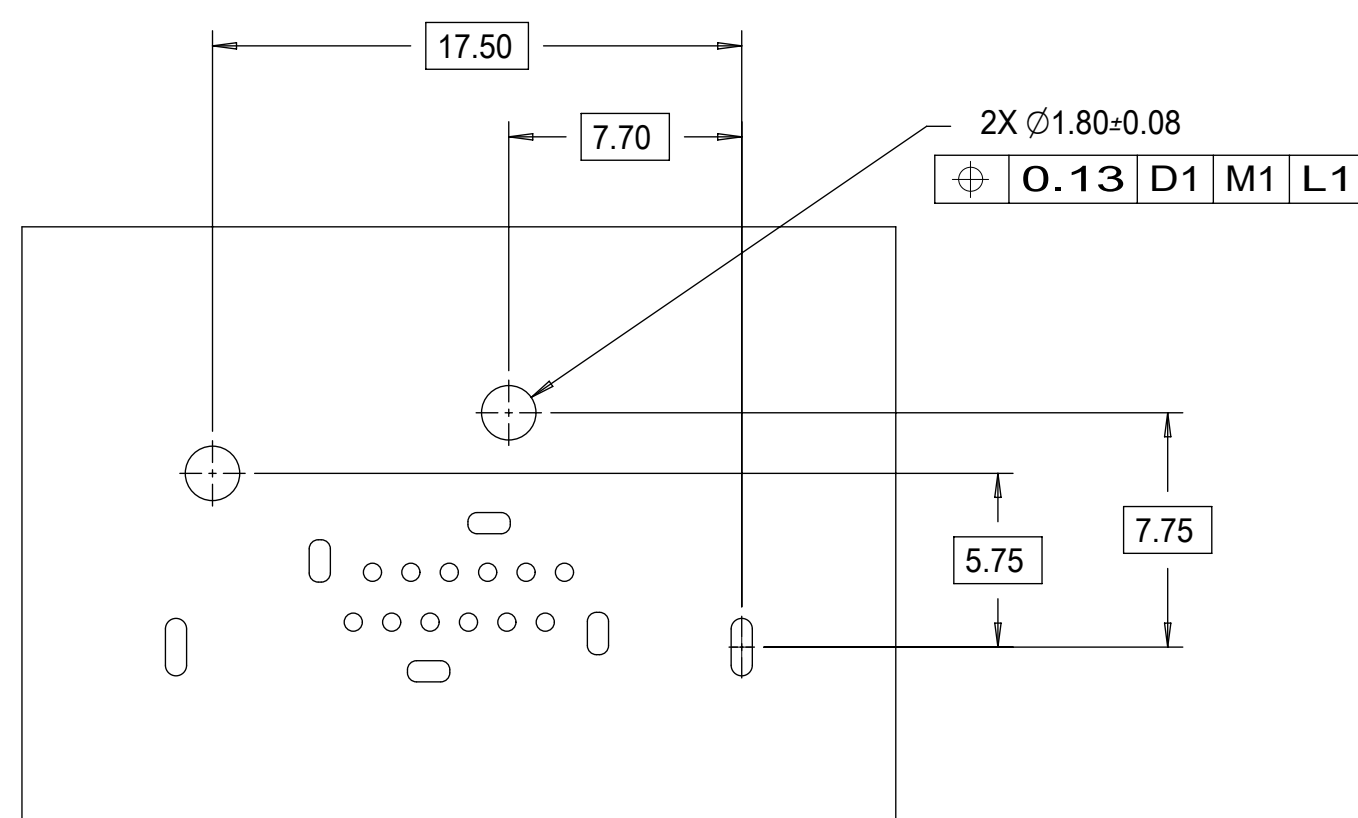
SHEET DESCRIPTION
RECOMMENDED PCB LAYOUT



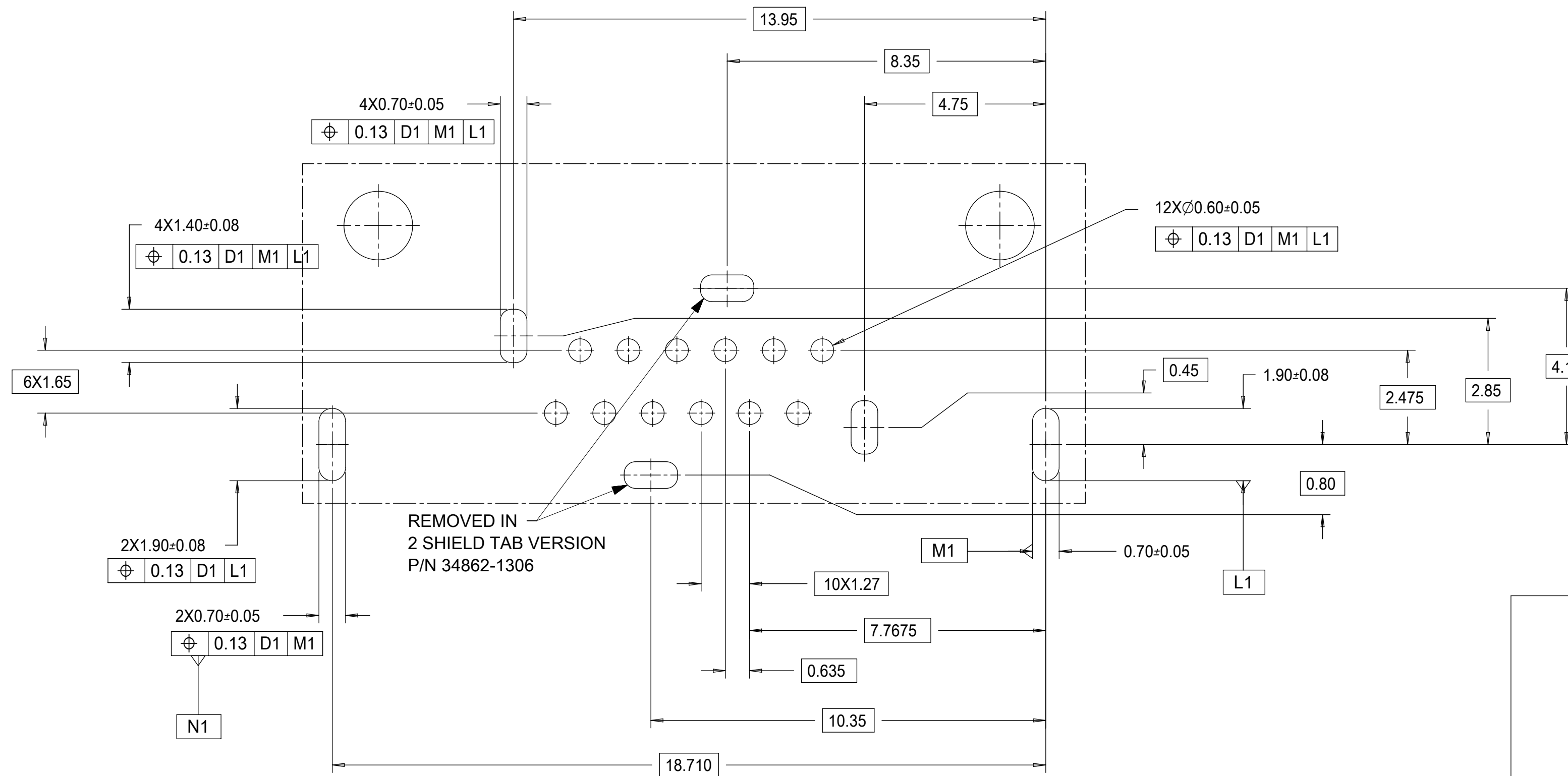
PCB KEYING
KEY OPTION 'A'



PCB KEYING
KEY OPTION 'B'

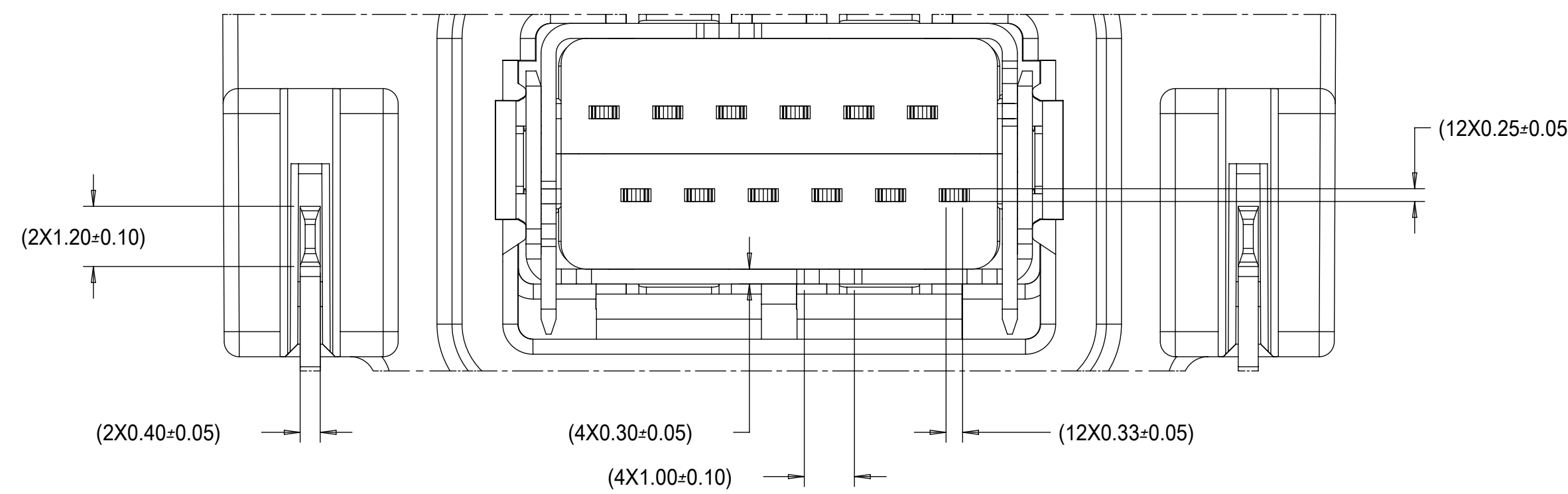


PCB KEYING
KEY OPTION 'C'

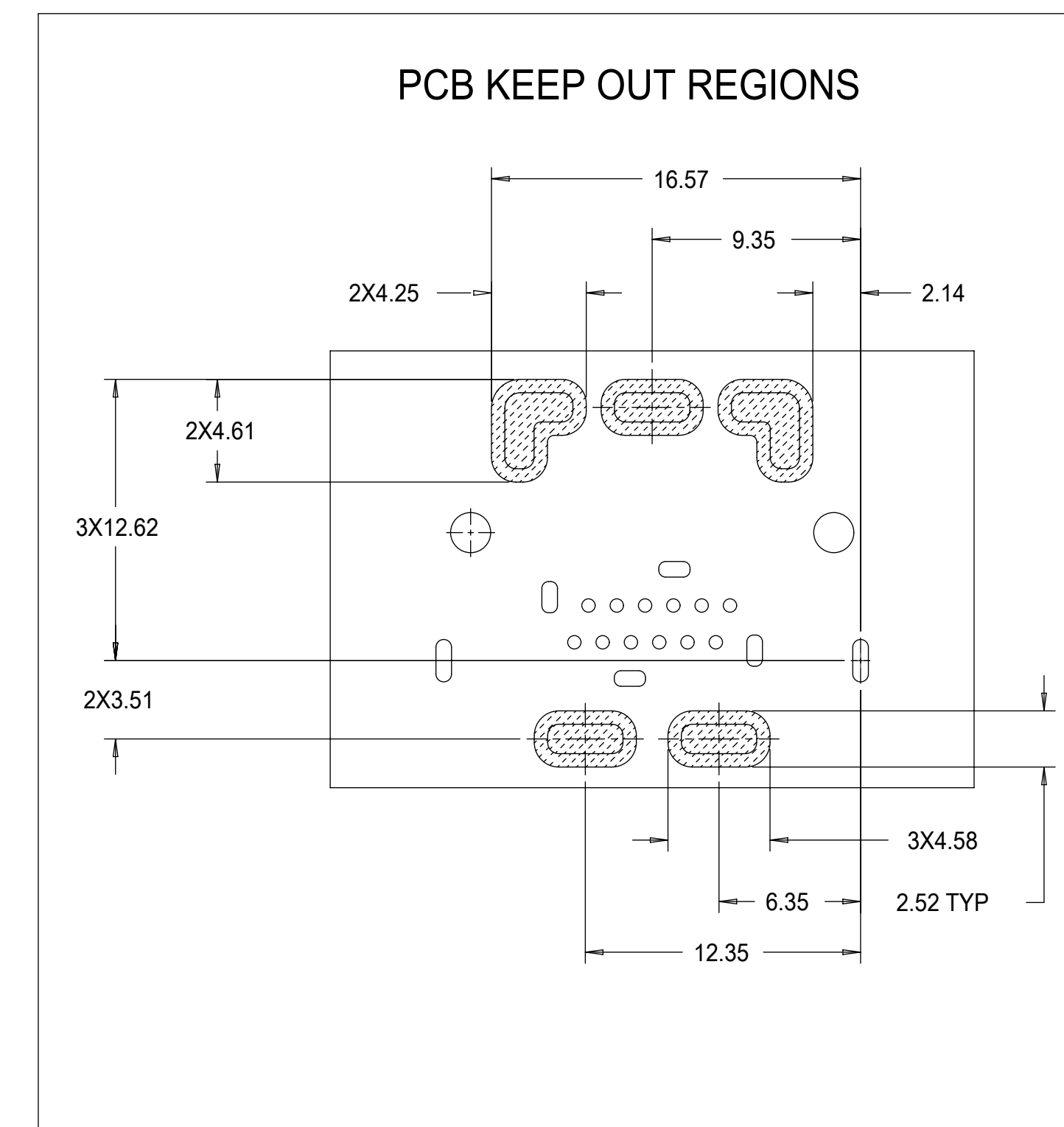


DETAIL 4
SCALE 10:1

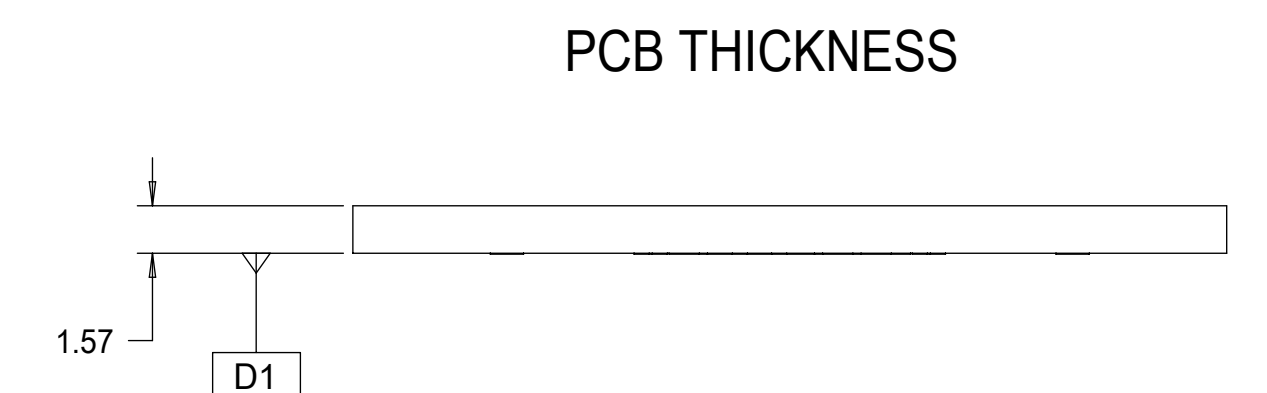
SOLDER TAILS SIZE
FOR REFERENCE ONLY



DETAIL 2
SCALE 10:1



PCB KEEP OUT REGIONS



PCB THICKNESS

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QUALITY SYMBOLS	2017/02/02	2017/03/10	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION UNITS	SCALE				
			ANGULAR TOL \pm		MM					
∇ = 0	EC NO: 114077 DRWN: HKASSAB CHKD: REV APPR: DNAYLIS	2017/03/10	4 PLACES \pm		DRWN BY	DATE	12CKT HSAUTOLINK II VERTICAL UNSEALED HEADER ASSEMBLY			
3 PLACES \pm				BHU02	2015/03/24					
\square = 0			2 PLACES \pm 0.13		CHKD BY	DATE	PRODUCT CUSTOMER DRAWING			
\square = 0			1 PLACE \pm 0.25		CHKD BY	DATE				
\square = 0			0 PLACES \pm		APPR BY	DATE	SERIES	MATERIAL NUMBER	CUSTOMER	
\square = 0			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		DNAYLIS	2017/03/10	34862		GENERAL MARKET	
\square = 0	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		D	THIRD ANGLE PROJECTION	DOCUMENT NUMBER	DOC TYPE	DOC PART	SHEET NUMBER		
	B1				SD-34862-1106	PSD	000	4 OF 4		