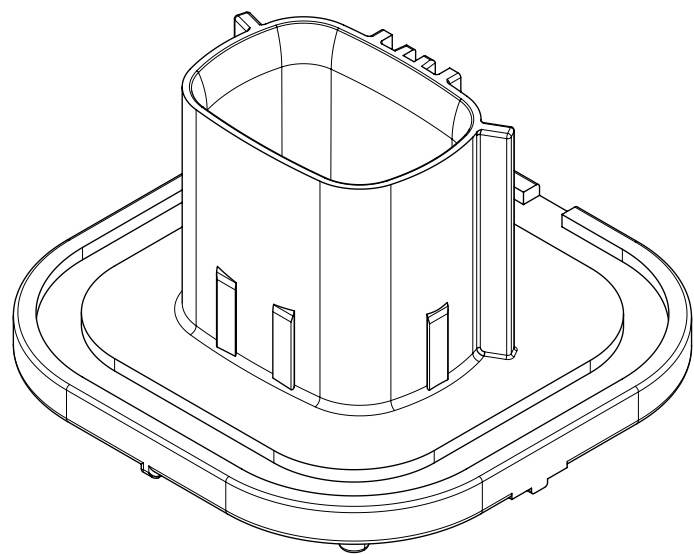


TABLE OF CONTENTS	
SHEET NO.	SHEET DESCRIPTION
1	NOTES, BOM & ISOMETRIC VIEW
2	CONFIGURATIONS
3	CONNECTOR INTERFACE
4	RECOMMENDED PCB LAYOUT

PART NUMBER TABLE					
CUSTOMER PART NUMBER	MOLEX PART NUMBER	DESCRIPTION	CIRCUIT SIZE	COLOR	STATUS
PH50227792	348580006	12CKT VERTICAL SEALED HEADER - KEY A	2X6	BLACK	OK TO TOOL
PH50227793	348580106	12CKT VERTICAL SEALED HEADER - KEY B	2X6	GREY	OK TO TOOL
PH50227794	348580206	12CKT VERTICAL SEALED HEADER - KEY C	2X6	BROWN	OK TO TOOL
PH50227795	348580306	12CKT VERTICAL SEALED HEADER - KEY D	2X6	GREEN	OK TO TOOL
PH50227792	348580016	12CKT VERTICAL SEALED HEADER - KEY A SHORT TAIL	2X6	BLACK	OK TO TOOL
PH50227793	348580116	12CKT VERTICAL SEALED HEADER - KEY B SHORT TAIL	2X6	GREY	OK TO TOOL
PH50227794	348580216	12CKT VERTICAL SEALED HEADER - KEY C SHORT TAIL	2X6	BROWN	OK TO TOOL
PH50227795	348580316	12CKT VERTICAL SEALED HEADER - KEY D SHORT TAIL	2X6	GREEN	OK TO TOOL



NOTES: VALID UNLESS OTHERWISE SPECIFIED

1. GENERAL:
- a. APPLICATION SPECIFICATION SEE: AS-111149-001
 - b. PRODUCT SPECIFICATION SEE: PS-111149-001
 - c. PACKAGING SPECIFICATION PER MOLEX DRAWING: PK-34858-001
 - 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: 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 R 0.2 MAX.

4. LASER MARKING TO BE MARKED WITH:
- HUMAN READABLE CODE (HRC)
 - PERMANENTLY APPLIED ON THE PART WITH 1.5mm LETTER SIZE
 - 5 DIGIT JULIAN MANUFACTURING DATE STAMP YYDDD

A5	UPDATE TITLEBLOCK TO FIX ECTR ISSUE
A4	ADD TABLE TO DIM 7
A3	CORRECT TOL ON DIM 7
A2	MIGRATION TO ECTR/NX
A1	DRAWING UPDATE
A	OK TO TOOL RELEASE

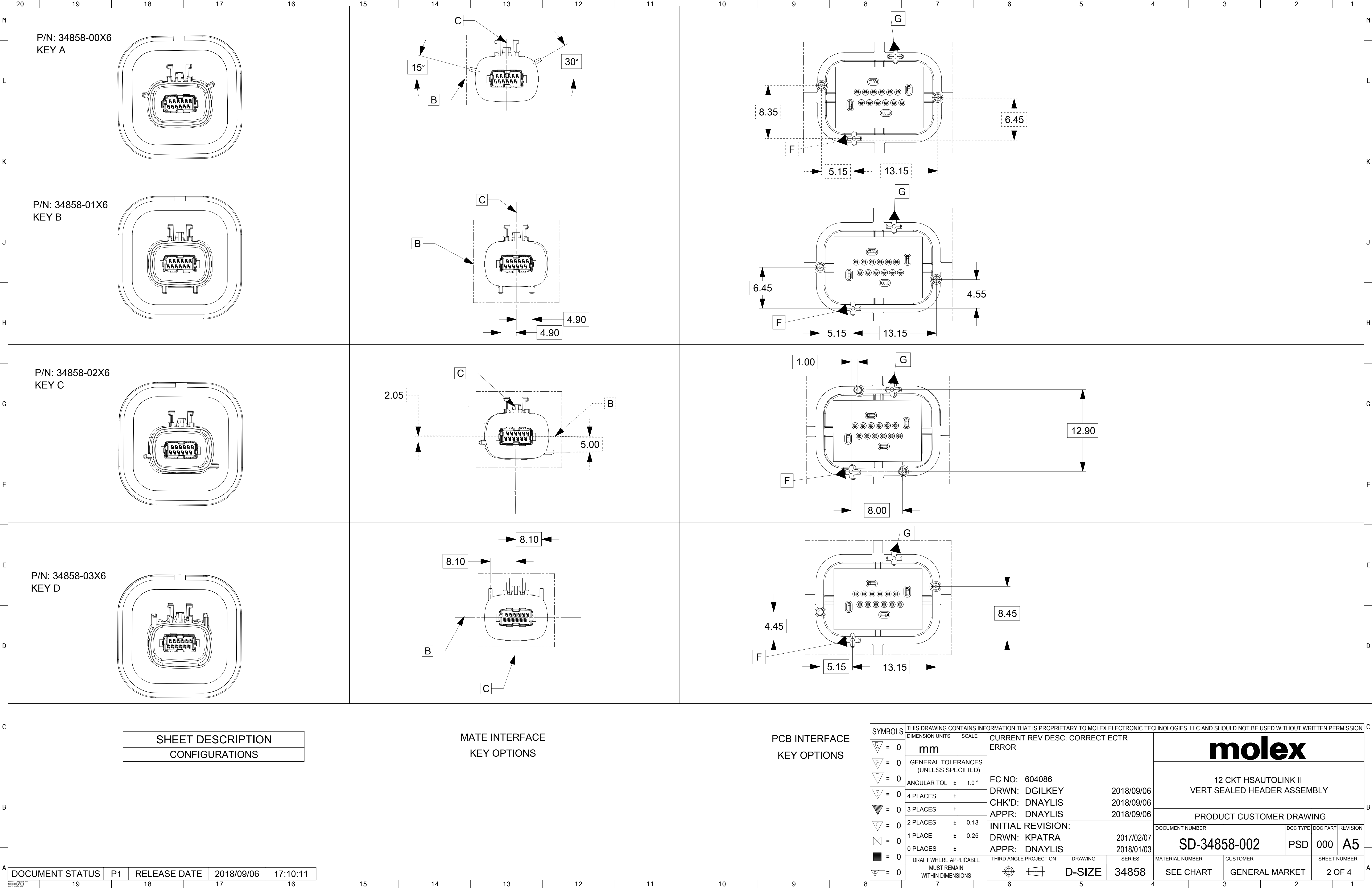
SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION													
= 0 = 0 = 0 = 0 = 0 = 0 = 0 = 0 = 0 = 0	DIMENSION UNITS		SCALE		CURRENT REV DESC: CORRECT ECTR ERROR			molex 12 CKT HSAUTOLINK II VERT SEALED HEADER ASSEMBLY						
	mm													
	GENERAL TOLERANCES (UNLESS SPECIFIED)				EC NO: 604086 DRWN: DGILKEY 2018/09/06 CHK'D: DNAYLIS 2018/09/06 APPR: DNAYLIS 2018/09/06								PRODUCT CUSTOMER DRAWING	
	ANGULAR TOL ± 1.0 °													
	4 PLACES ±				DOCUMENT NUMBER SD-34858-002					DOC TYPE	DOC PART	REVISION		
	3 PLACES ±									PSD	000	A5		
	2 PLACES ± 0.13				MATERIAL NUMBER SEE CHART					CUSTOMER GENERAL MARKET			SHEET NUMBER 1 OF 4	
	1 PLACE ± 0.25													
	0 PLACES ±				INITIAL REVISION: DRWN: KPATRA 2017/02/07 APPR: DNAYLIS 2018/01/03			THIRD ANGLE PROJECTION DRAWING SERIES D-SIZE 34858						
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS													

molex

12 CKT HSAUTOLINK II
VERT SEALED HEADER ASSEMBLY

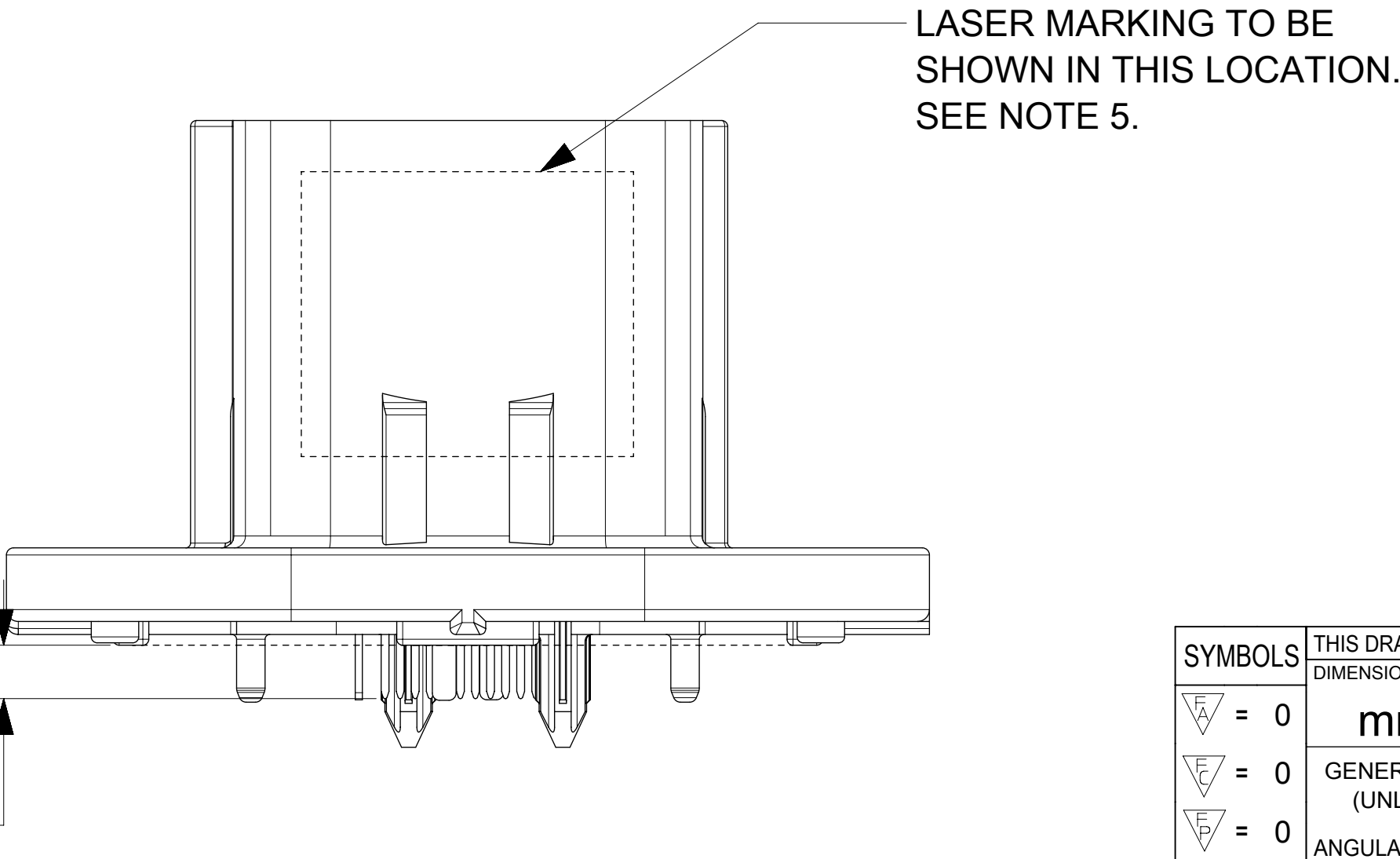
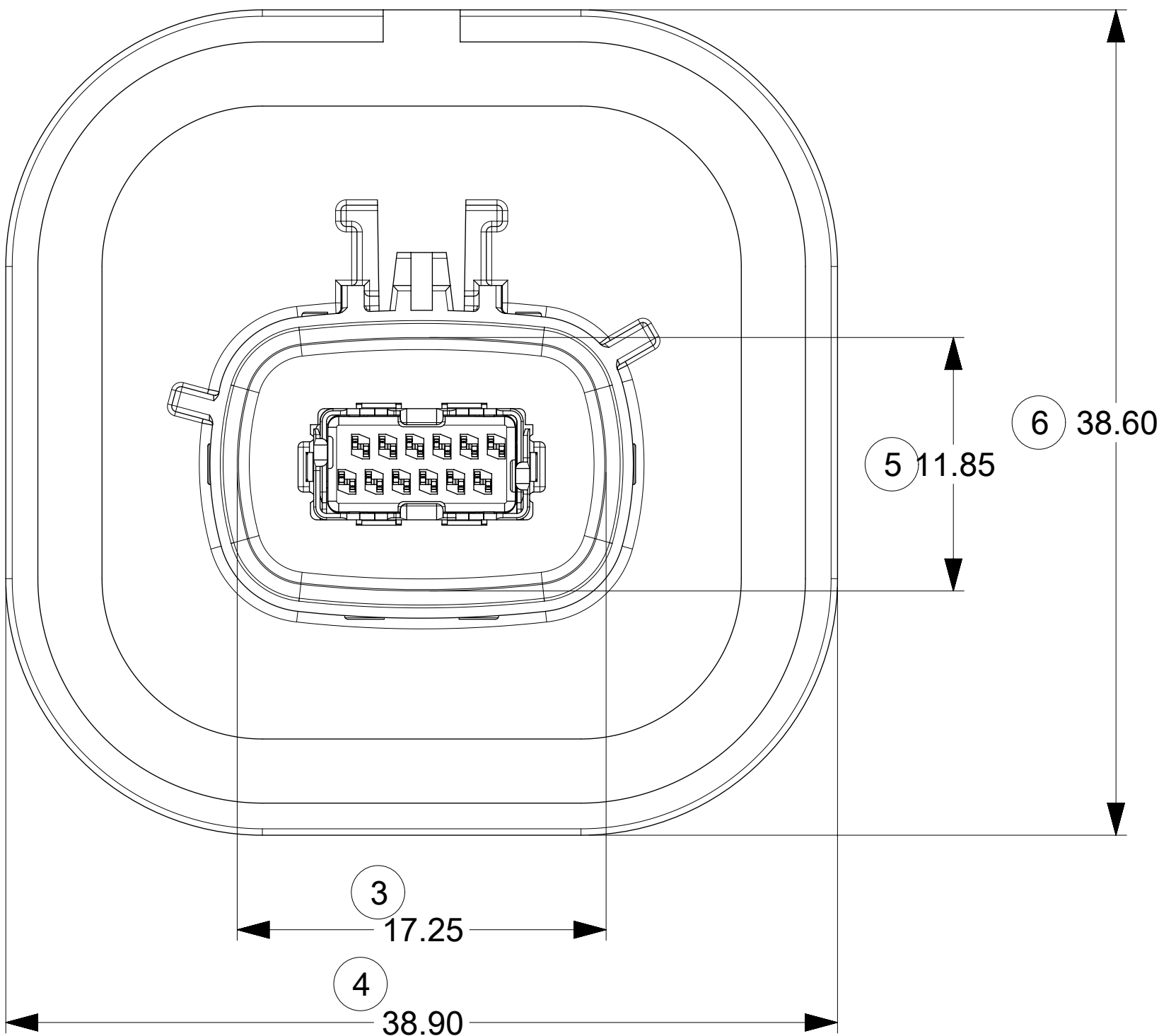
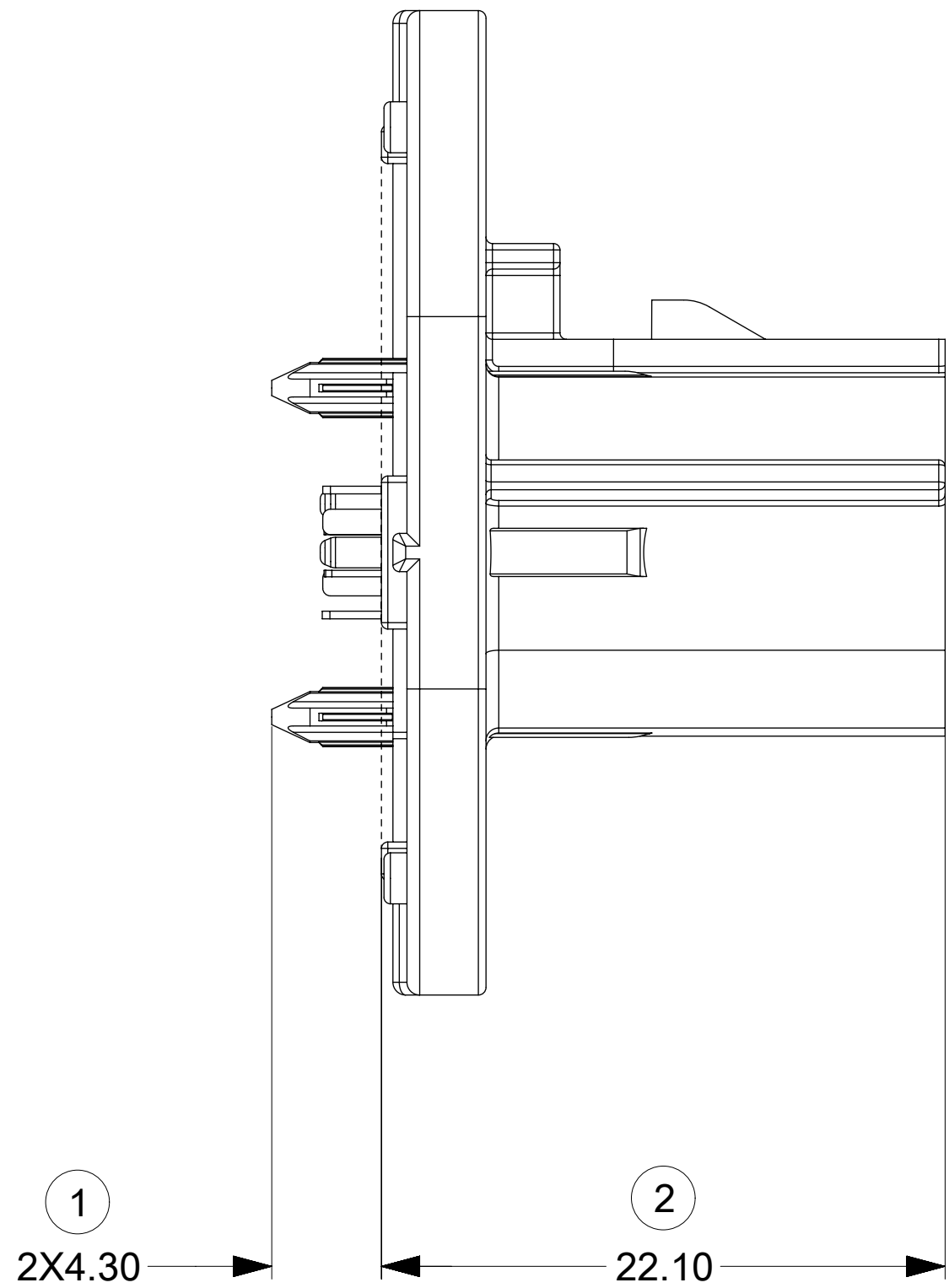
PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
SD-34858-002	PSD	000	A5



SHEET DESCRIPTION

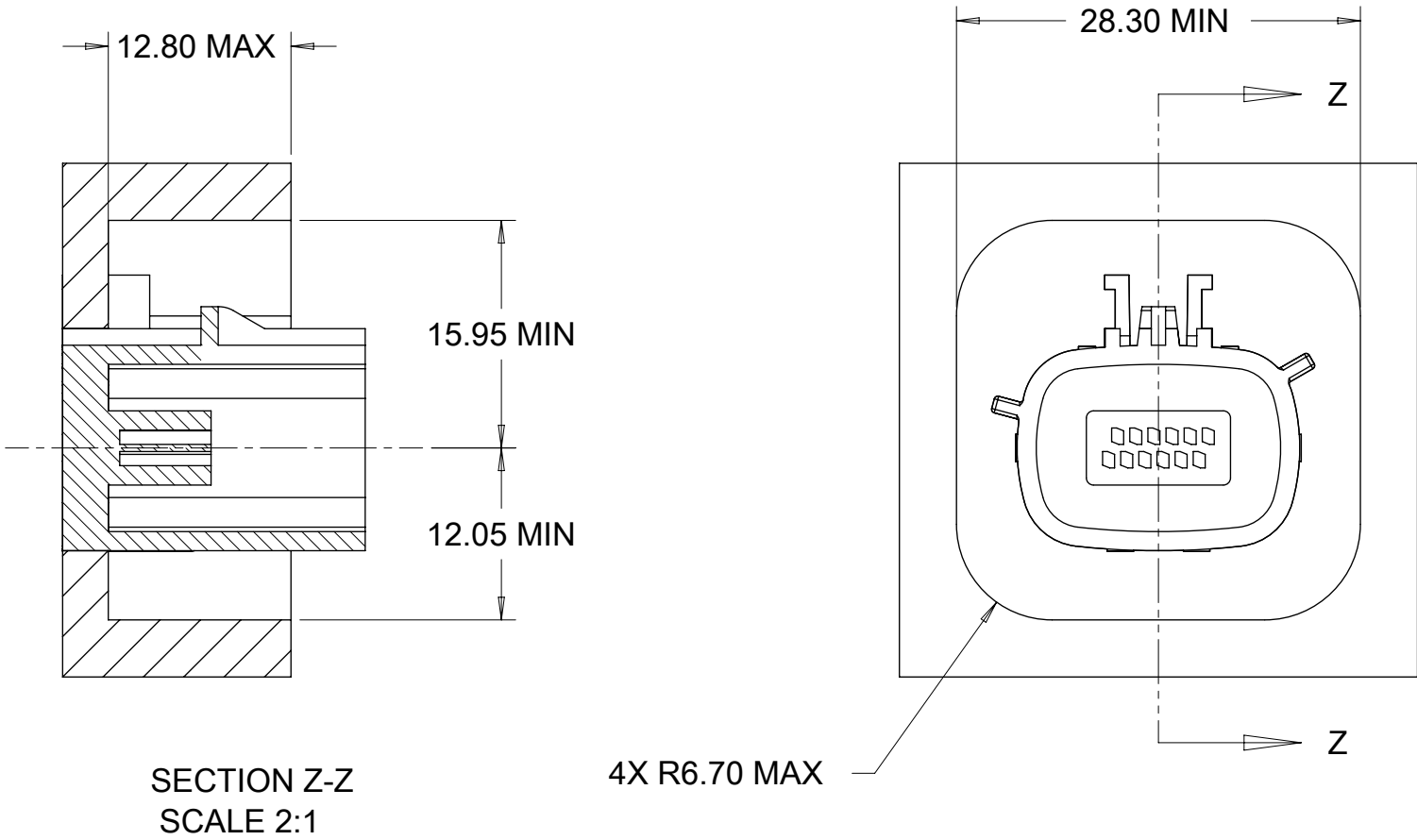
CONNECTOR INTERFACE



DIM 7	
PART NUMBER	VALUE
34858-0X06	2.25
34858-0X16	1.75

MATING HARNESS CONNECTOR KEEP OUT REGION

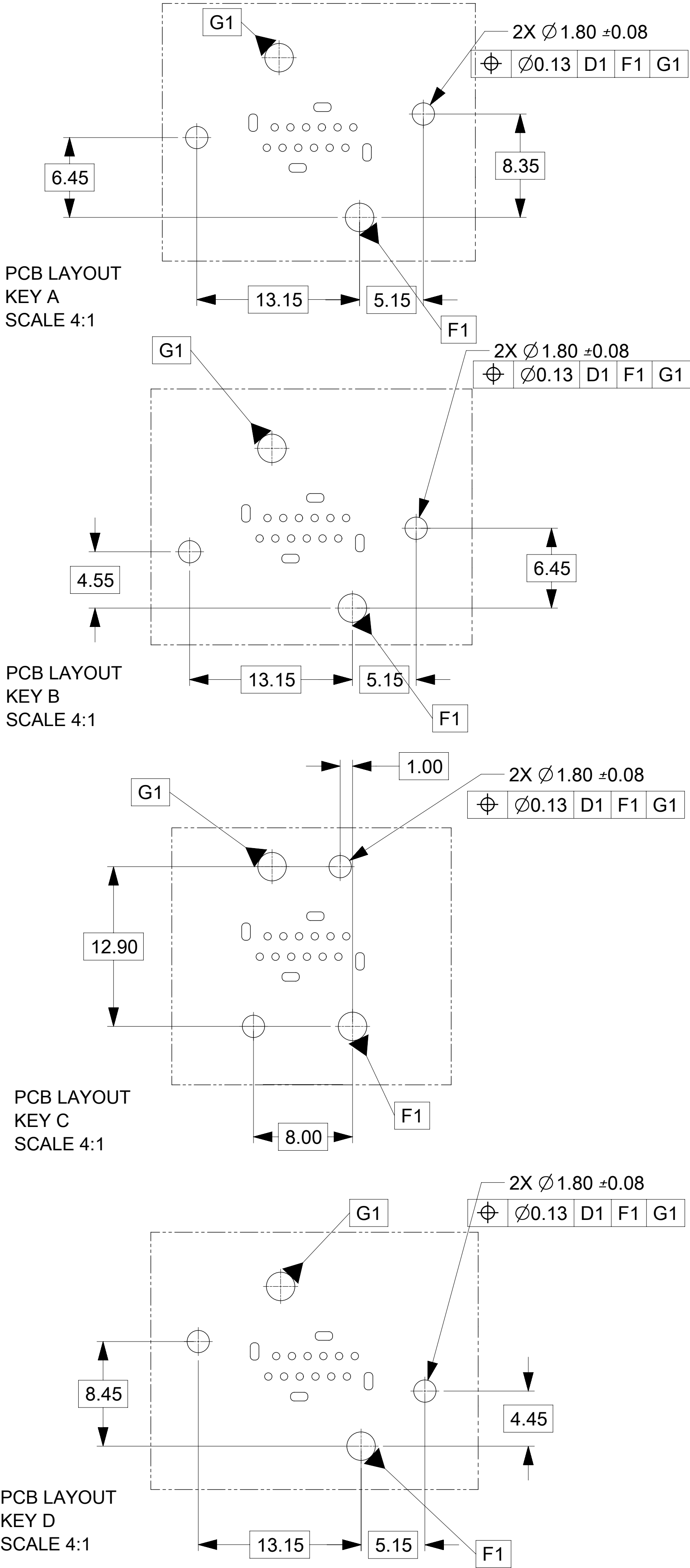
IF HEADER IS RECESSED INTO A POCKET, THESE DIMENSIONS REPRESENT THE MINIMUM CLEARANCE REQUIRED FOR THE MATING CONNECTOR SHROUD. SEE NOTE 1g.



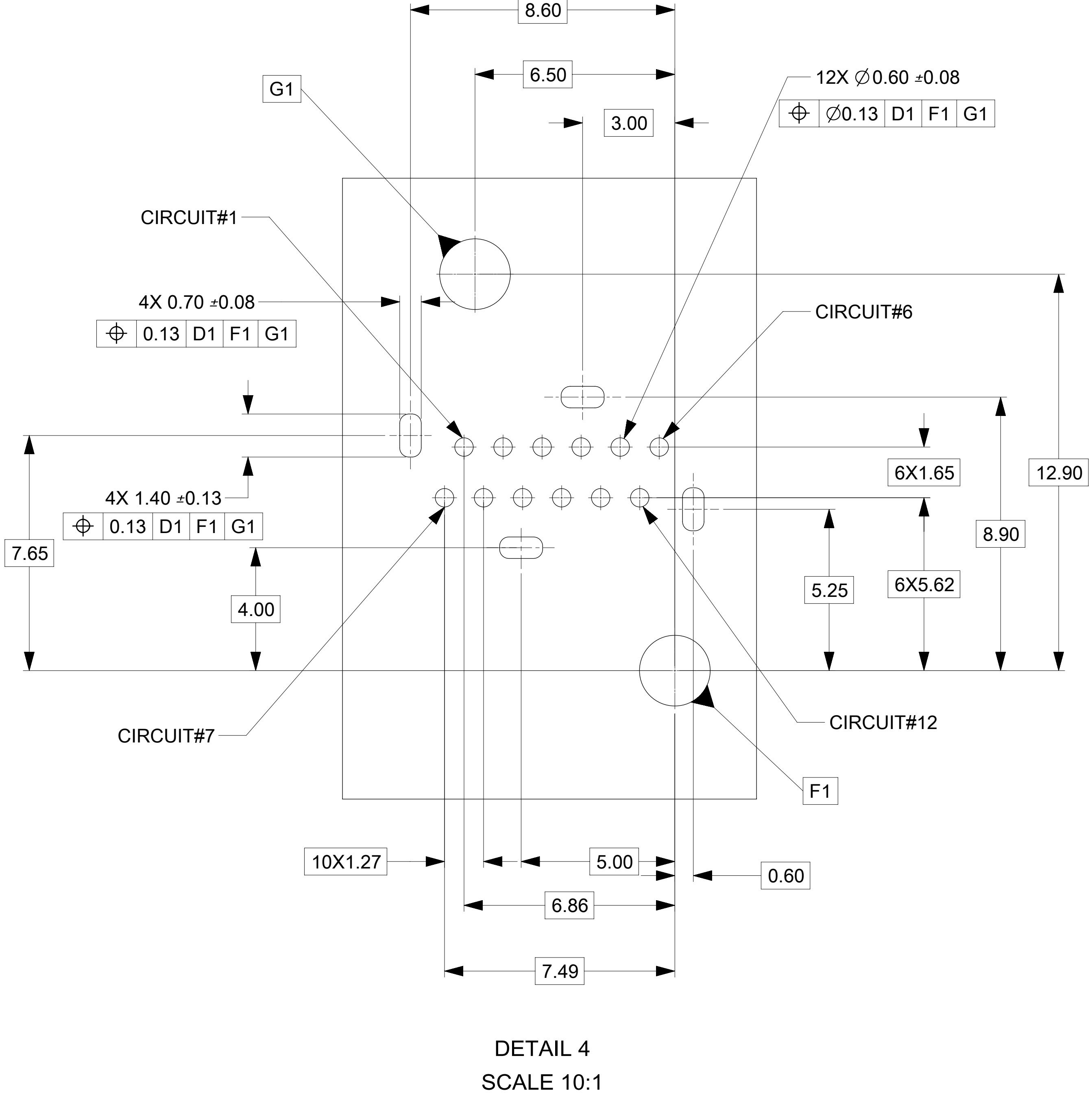
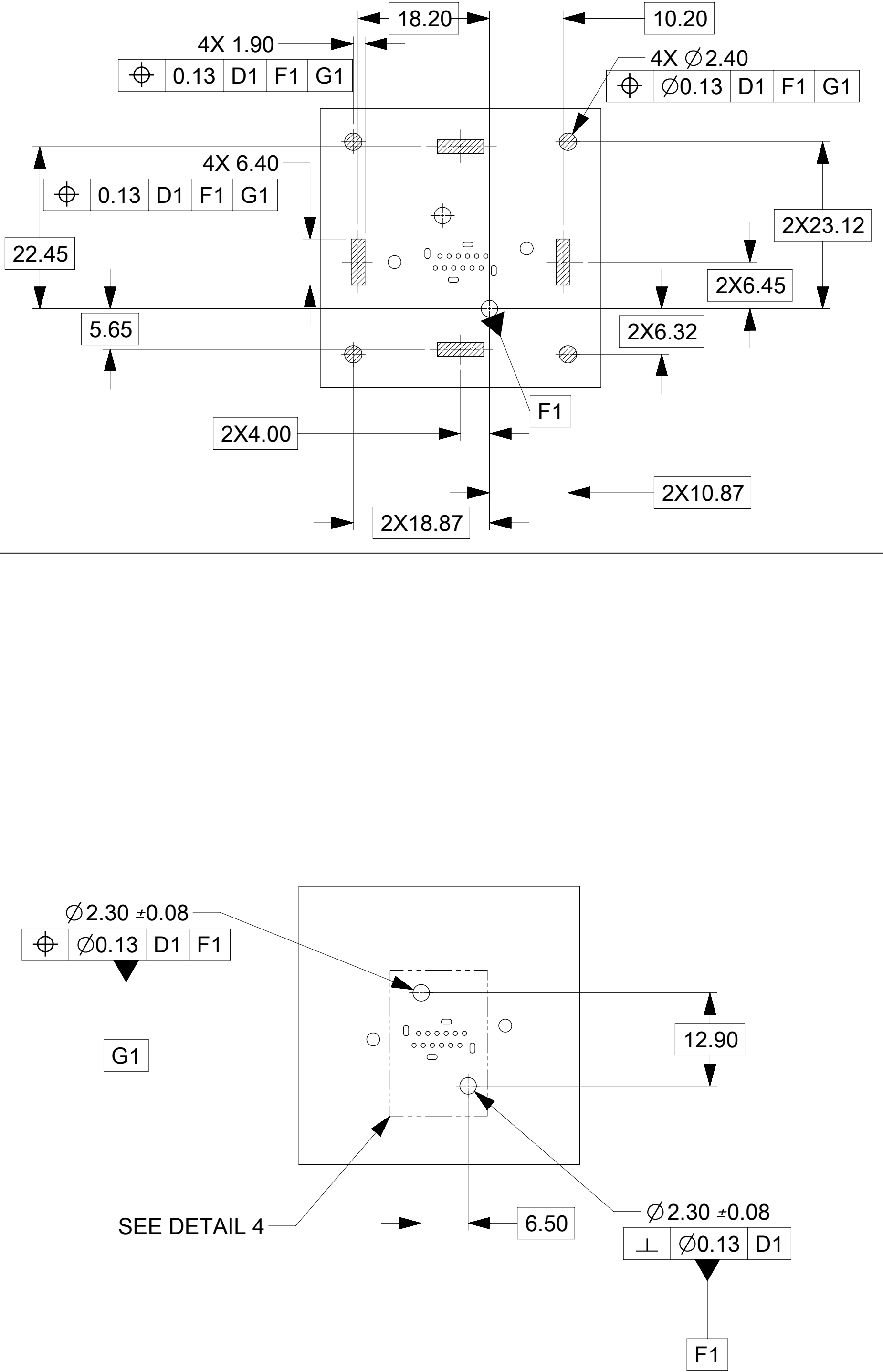
SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION														
	DIMENSION UNITS		SCALE		CURRENT REV DESC: CORRECT ECTR ERROR			molex							
	mm														
	GENERAL TOLERANCES (UNLESS SPECIFIED)				12 CKT HSAUTOLINK II VERT SEALED HEADER ASSEMBLY										
	ANGULAR TOL ± 1.0 °														
	4 PLACES		±					EC NO: 604086							
	3 PLACES		±		DRWN: DGILKEY 2018/09/06										
	2 PLACES		± 0.13		CHK'D: DNAYLIS 2018/09/06										
	1 PLACE		± 0.25		APPR: DNAYLIS 2018/09/06										
	0 PLACES		±		INITIAL REVISION:										
					DRWN: KPATRA 2017/02/07										
				APPR: DNAYLIS 2018/01/03											
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER	
						D-SIZE		34858		SEE CHART		GENERAL MARKET		3 OF 4	

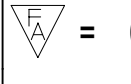
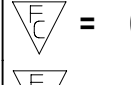
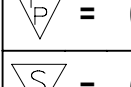
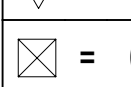
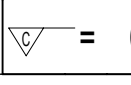
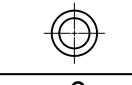
DOCUMENT STATUS	P1	RELEASE DATE	2018/09/06	17:10:11
-----------------	----	--------------	------------	----------

SHEET DESCRIPTION
RECOMMENDED PCB LAYOUT



PCB KEEP OUT REGIONS



SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		CURRENT REV DESC: CORRECT ECTR ERROR				molex			
	DIMENSION UNITS	SCALE								
 = 0	mm		GENERAL TOLERANCES (UNLESS SPECIFIED)				12 CKT HSAUTOLINK II VERT SEALED HEADER ASSEMBLY			
 = 0										
 = 0										
 = 0										
 = 0										
 = 0			ANGULAR TOL	$\pm$	1.0°		PRODUCT CUSTOMER DRAWING			
 = 0			4 PLACES	$\pm$						
 = 0			3 PLACES	$\pm$						
 = 0			2 PLACES	$\pm$	0.13					
= 0			1 PLACE	$\pm$	0.25					
= 0			0 PLACES	$\pm$			DOCUMENT NUMBER SD-34858-002			
= 0			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS							
= 0			THIRD ANGLE PROJECTION							
= 0			DRAWING	D-SIZE						
= 0			SERIES	34858						
= 0			MATERIAL NUMBER		CUSTOMER		SHEET NUMBER			
= 0			SEE CHART		GENERAL MARKET		4 OF 4			

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Molex:](#)

[34858-0206](#)