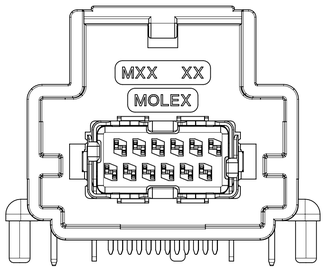


34861-1406
34861-1206 (SI INSERTS) *NOT QUALIFIED*
34861-1306 (2 SHIELD TABS)
34861-2106 (SMT) *NOT QUALIFIED*
34861-7009 (TERMINAL AND INSERTS CHANGE)
(2 SHIELD TAB)
34861-8009 SMT VERSION WITH HS INSERTS
(NO SHIELD TABS)
34861-9009 (TERMINAL AND INSERTS CHANGE)
(2 SHIELD TAB)

KEY OPTION 'A'

COLOR: BLACK

SALEABLE

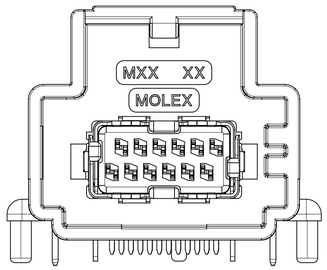


34861-1416
34861-1216 (SI INSERTS) *NOT QUALIFIED*
34861-1316 (2 SHIELD TABS)
34861-2116 (SMT) *NOT QUALIFIED*
34861-7019 (TERMINAL AND INSERTS CHANGE)
(2 SHIELD TAB)
34861-8019 SMT VERSION WITH HS INSERTS
(NO SHIELD TABS)
34861-9019 (TERMINAL AND INSERTS CHANGE)
(2 SHIELD TAB)

KEY OPTION 'B'

COLOR: GRAY

SALEABLE

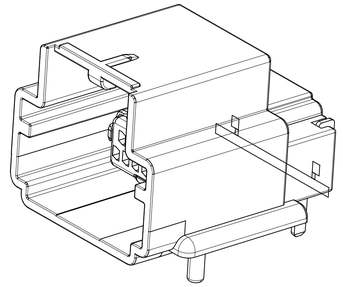


34861-1426
34861-1226 (SI INSERTS) *NOT QUALIFIED*
34861-1326 (2 SHIELD TABS)
34861-2126 (SMT) *NOT QUALIFIED*
34861-7029 (TERMINAL AND INSERTS CHANGE)
(2 SHIELD TAB)
34861-8029 SMT VERSION WITH HS INSERTS
(NO SHIELD TABS)
34861-9029 (TERMINAL AND INSERTS CHANGE)
(2 SHIELD TAB)

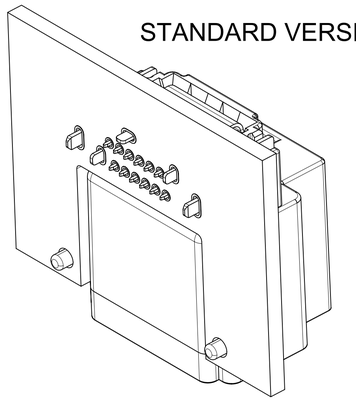
KEY OPTION 'C'

COLOR: BROWN

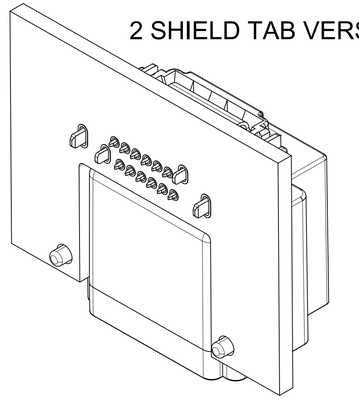
SALEABLE



STANDARD VERSION



2 SHIELD TAB VERSION



34861-1436
34861-1236 (SI INSERTS) *NOT QUALIFIED*
34861-1336 (2 SHIELD TABS)
34861-2136 (SMT) *NOT QUALIFIED*
34861-8039 SMT VERSION WITH HS INSERTS
(NO SHIELD TABS)
34861-9039 (TERMINAL AND INSERTS CHANGE)
(2 SHIELD TAB) *NOT QUALIFIED*

KEY OPTION 'D'

COLOR: GREEN
OK TO TOOL

34861-1446
34861-1246 (SI INSERTS) *NOT QUALIFIED*
34861-1346 (2 SHIELD TABS)
34861-2146 (SMT) *NOT QUALIFIED*
34861-9049 (TERMINAL AND INSERTS CHANGE)
(2 SHIELD TAB) *NOT QUALIFIED*

KEY OPTION 'E'

COLOR: BLUE

OK TO TOOL

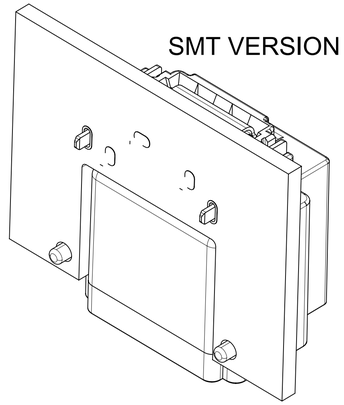
34861-1456
34861-1256 (SI INSERTS) *NOT QUALIFIED*
34861-1356 (2 SHIELD TABS)
34861-2156 (SMT) *NOT QUALIFIED*
34861-9059 (TERMINAL AND INSERTS CHANGE)
(2 SHIELD TAB)

KEY OPTION 'F'

COLOR: NATURAL

SALEABLE

NOTES: VALID UNLESS OTHERWISE SPECIFIED
1. MATERIALS:
HEADER HOUSING: SPS, 30%GF
TERMINALS - COPPER ALLOY
OVERMOLDING - LCP, 30%GF
BISCUIT - SPS, 30%GF
SHIELDS - COPPER ALLOY
2. TERMINAL MATE-SIDE PLATING: SELECTIVE GOLD OVER NICKEL
TERMINAL PCB SIDE PLATING: TIN OVER NICKEL
SHIELDS PLATING - TIN OVER NICKEL
3. MATING CONNECTOR MINIMUM CLEARANCE: AREA TO REMAIN CLEAR OF MODULE COMPONENTS, ADHESIVE, DEBRIS, ETC.
4. PCB TO BE FR4 0.062" (1.57mm) THICK
5. LASER MARKING TO BE MARKED WITH:
HUMAN READABLE CODE (HRC)
-PERMANENTLY APPLIED ON THE PART WITH 1.5mm LETTER SIZE
-INFORMATION TO BE PRINTED
5. DIGIT JULIAN MANUFACTURING DATE STAMP YYDDD
C11 6. REFLOW SOLDERING IS RECOMMENDED FOR TESTING.



SMT VERSION

REV	DESCRIPTION	ENGINEER	DATE
C11	NOTES 6 ADDED	PRAVEEN	27NOV2023
C10	REMOVED "NOT QUALIFIED" FROM 80X9 SERIES.REMOVED "NOT QUALIFIED" FROM SHEET 4. SHEET-4 SMT PCB LAYOUT DIMENSIONS UPDATED.BALLOON NUMBER 17 UPDATED	PRAVEEN	28OCT2022
C9	NOTES ADDED ON SHEET 2 & 4 AND BALLOON NUMBER 17 UPDATED. FOR 34861-90(09, 19, 29, 39, 49, 59) NOT QUALIFIED REMOVED.	PRAVEEN	06JUNE2022
C8	BALLOON NUMBER 17 UPDATED	PRAVEEN	28OCT2021
C7	ADDED PART NUMBER 34861-9009-9059, SHEET 4 DIMENSION UPDATED.	PRAVEEN	10OCT2021
C6	ADDED PART NUMBER 34861-8009/8019/8029 ADDED DIM 16	MSUBHASH	15JULY2021
C4	UPDATED PCB LAYOUT - PIN HOLE DIA	SUDAYGUNAGI	01JULY2020

DOCUMENT STATUS | P1 | RELEASE DATE | 2024/01/05 14:27:53

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DIMENSION UNITS: mm | SCALE: 5:1
GENERAL TOLERANCES (UNLESS SPECIFIED)
ANGULAR TOL ± °
4 PLACES ±
3 PLACES ±
2 PLACES ± 0.2
1 PLACE ±
0 PLACES ±
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC:

EC NO: 772885
DRWN: PRAVEC2 2023/11/27
CHK'D: JOEB17 2024/01/05
APPR: JOEB17 2024/01/05

INITIAL REVISION:
DRWN: XLHE14 2018/06/25
APPR: DNAYLIS 2018/06/27

THIRD ANGLE PROJECTION | DRAWING: D-SIZE | SERIES: 34861

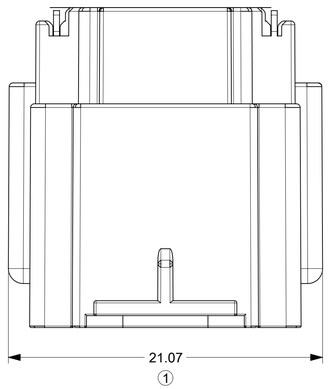
molex

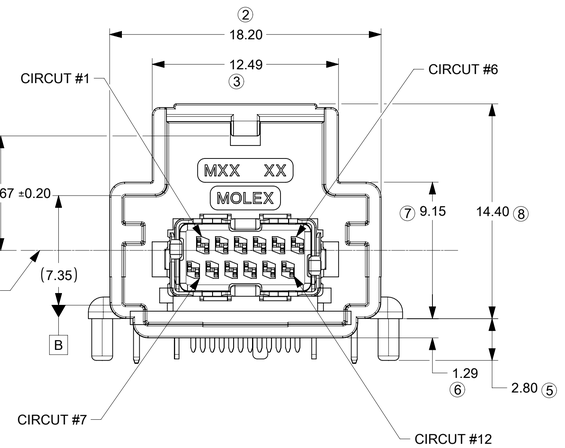
12CKT HSALII RIGHT ANGLE HEADER
HEADER ASSEMBLY

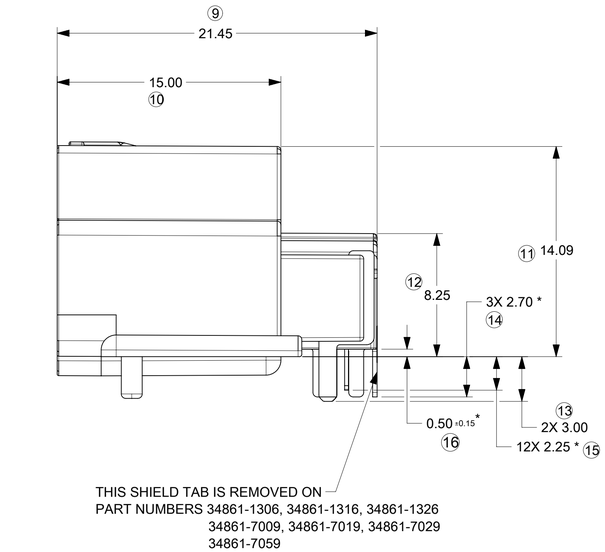
PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
348611406	PSD	000	C11

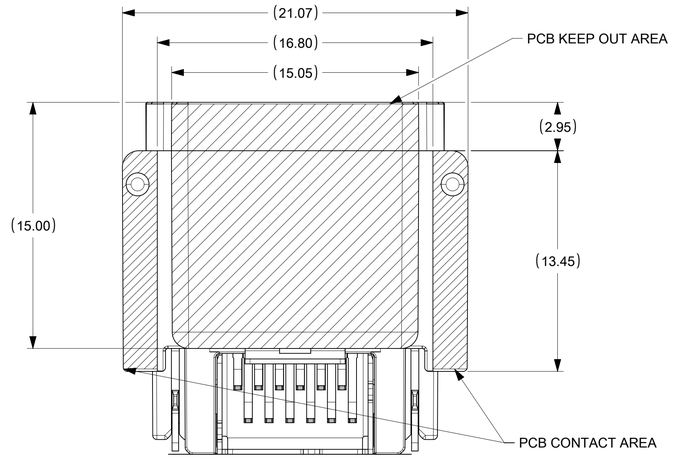
MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
SEE CHART	GENERAL MARKET	1 OF 4



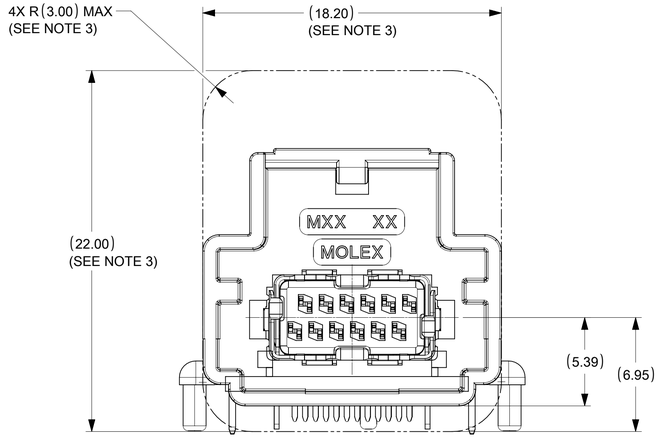




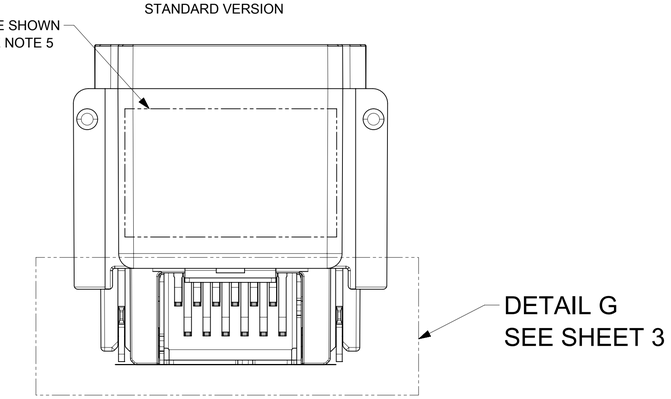
PCB CLEAROUT REGIONS



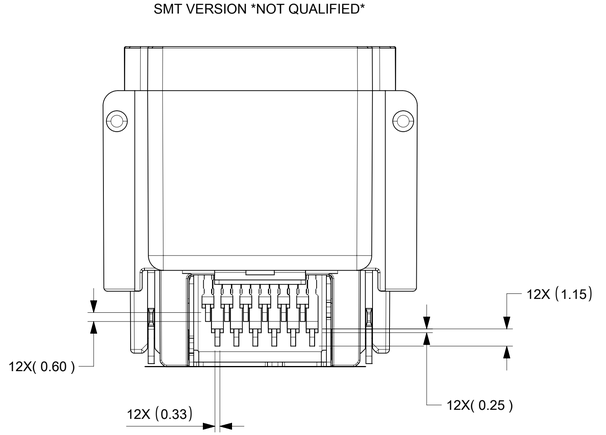
HEADER-TO-MODULE INTERFACE REQUIREMENTS



STANDARD VERSION



SMT VERSION *NOT QUALIFIED*



Note:-
* - Balloon Number 14, 15 & 16 is not applicable for 348618009, 8019, 8029, 8039, 8049.

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DIMENSION UNITS	SCALE
mm	5:1

GENERAL TOLERANCES (UNLESS SPECIFIED)

ANGULAR TOL	±	°
4 PLACES	±	
3 PLACES	±	
2 PLACES	±	0.2
1 PLACE	±	
0 PLACES	±	

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC:

EC NO:	772885	
DRWN:	PRAVEC2	2023/11/27
CHK'D:	JOEB17	2024/01/05
APPR:	JOEB17	2024/01/05

INITIAL REVISION:

DRWN:	XLHE14	2018/06/25
APPR:	DNAYLIS	2018/06/27

molex

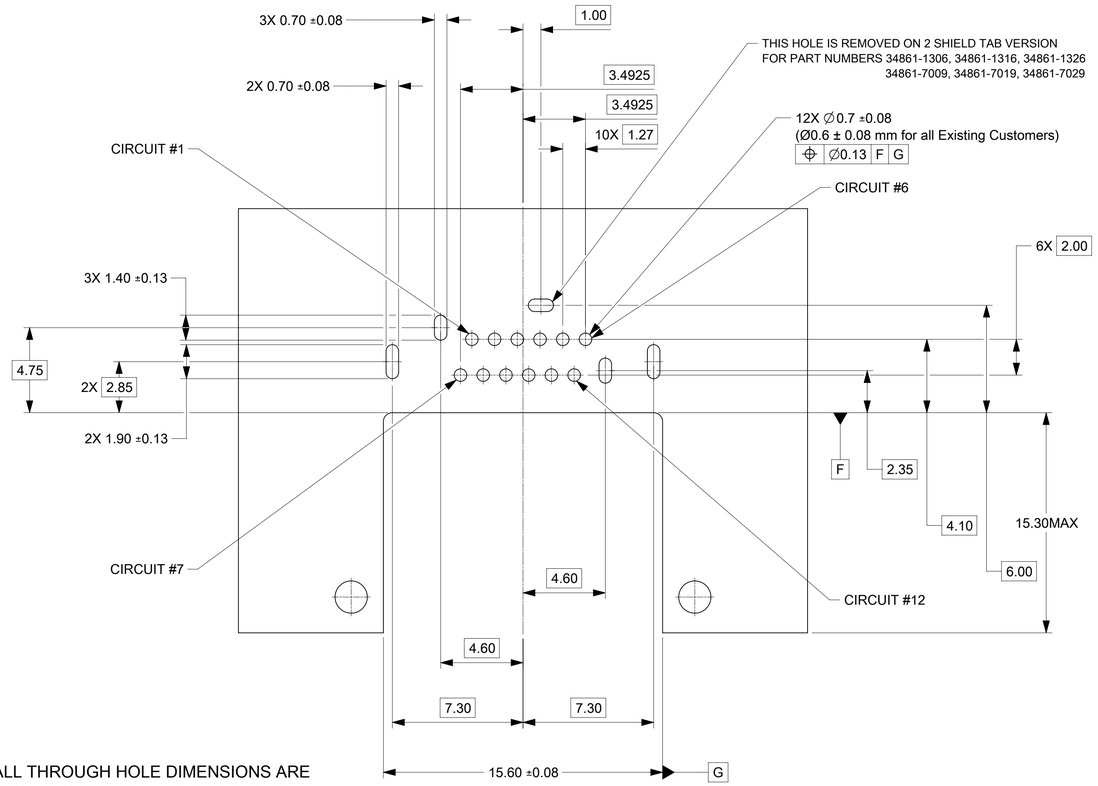
12CKT HSALII RIGHT ANGLE HEADER HEADER ASSEMBLY

PRODUCT CUSTOMER DRAWING

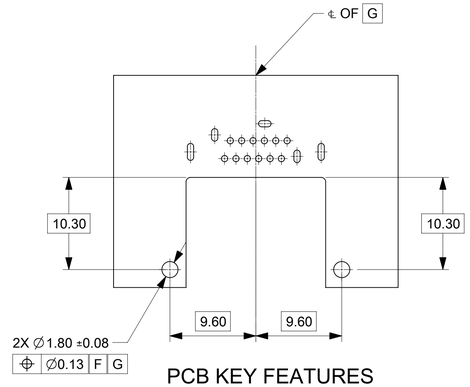
DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
348611406	PSD	000	C11

THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
	D-SIZE	34861	SEE SHEET 1	GENERAL MARKET	2 OF 4

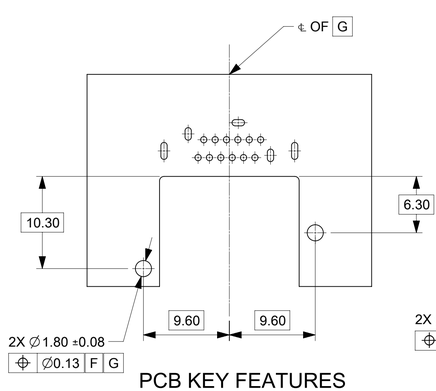
RECOMMENDED PCB LAYOUT - HEADER SIDE PCB



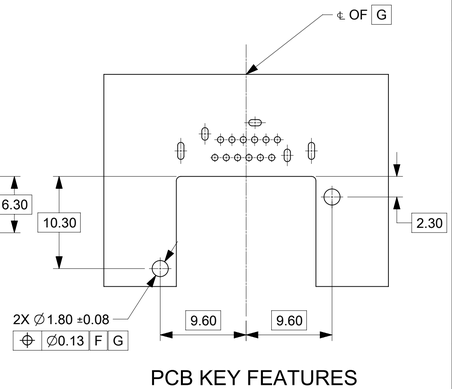
ALL THROUGH HOLE DIMENSIONS ARE
APPLICABLE FOR ALL KEY OPTIONS



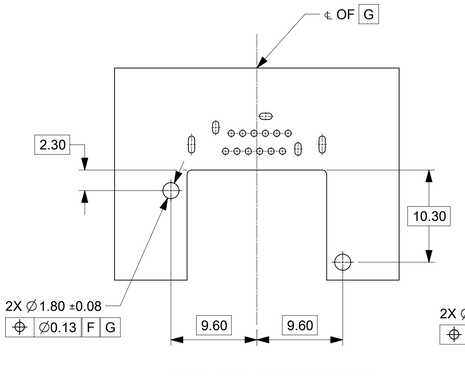
PCB KEY FEATURES
OPTION 'A'



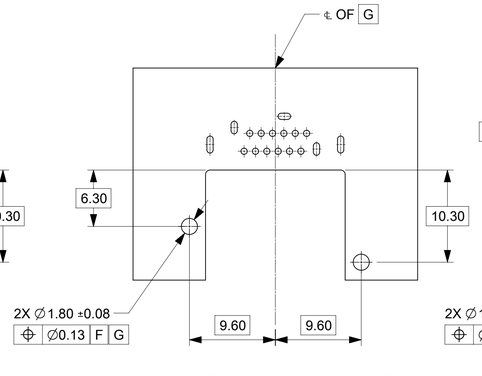
PCB KEY FEATURES
OPTION 'B'



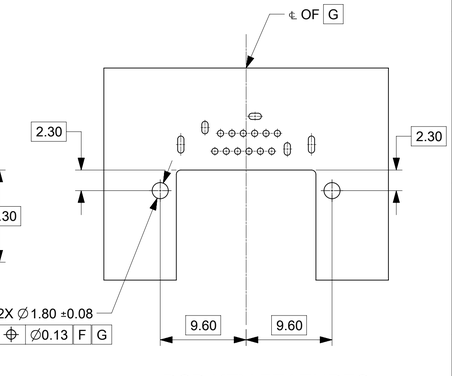
PCB KEY FEATURES
OPTION 'C'



PCB KEY FEATURES
OPTION 'D'

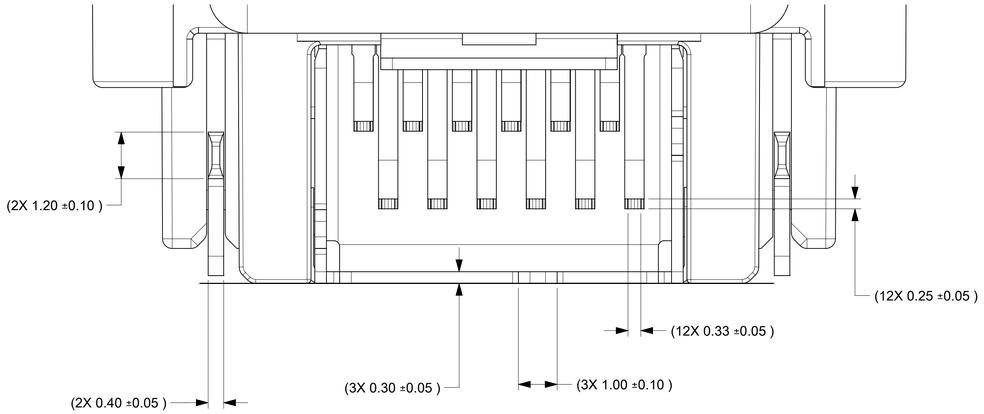


PCB KEY FEATURES
OPTION 'E'



PCB KEY FEATURES
OPTION 'F'

SOLDER TAILS SIZE
FOR REFERENCE ONLY



DETAIL G
SCALE 13:1

DOCUMENT STATUS	P1	RELEASE DATE	2024/01/05 14:27:53

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DIMENSION UNITS	SCALE
mm	4:1

GENERAL TOLERANCES (UNLESS SPECIFIED)		
ANGULAR TOL	±	°
4 PLACES	±	
3 PLACES	±	
2 PLACES	±	0.2
1 PLACE	±	
0 PLACES	±	

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC:

EC NO: 772885
DRWN: PRAVEC2 2023/11/27
CHK'D: JOEB17 2024/01/05
APPR: JOEB17 2024/01/05

INITIAL REVISION:
DRWN: XLHE14 2018/06/25
APPR: DNAYLIS 2018/06/27

molex

12CKT HSALII RIGHT ANGLE HEADER
HEADER ASSEMBLY

PRODUCT CUSTOMER DRAWING

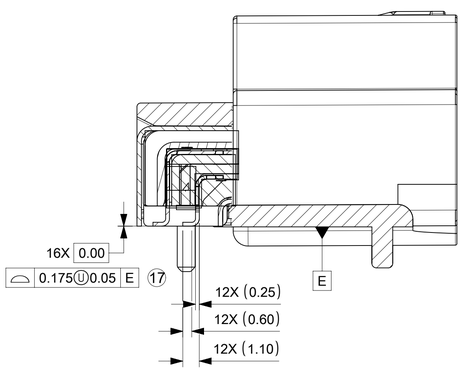
DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
348611406	PSD	000	C11

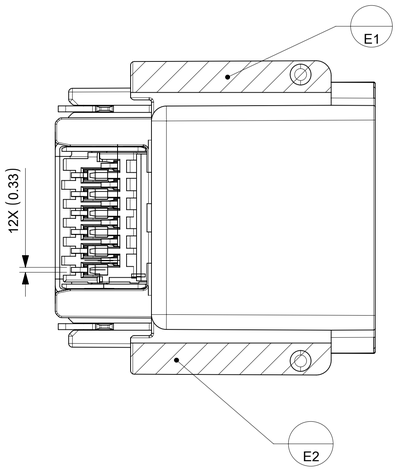
THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
	D-SIZE	34861	SEE SHEET1	GENERAL MARKET	3 OF 4

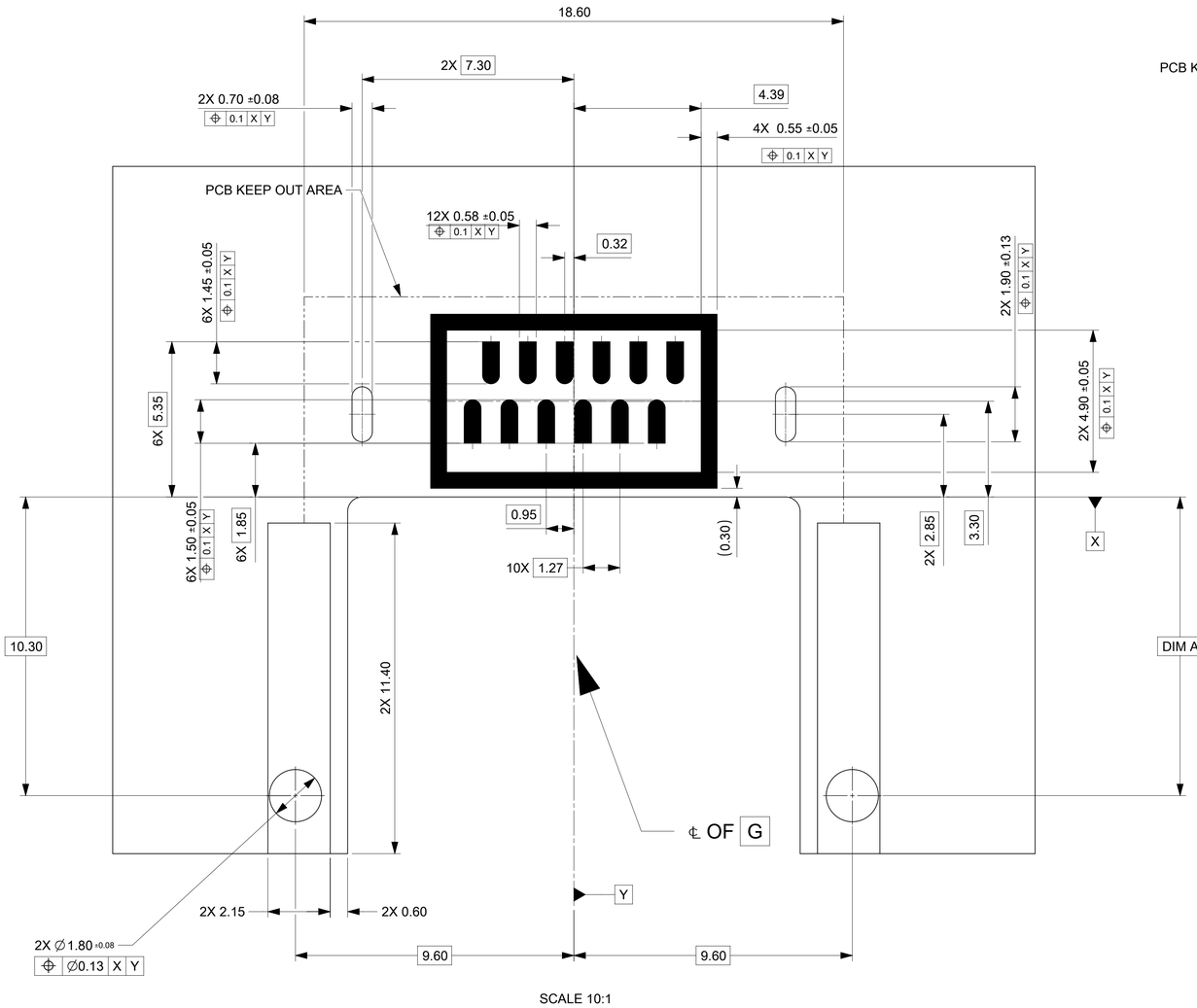
RECOMMENDED SMT PCB LAYOUT
HEADER SIDE PCB

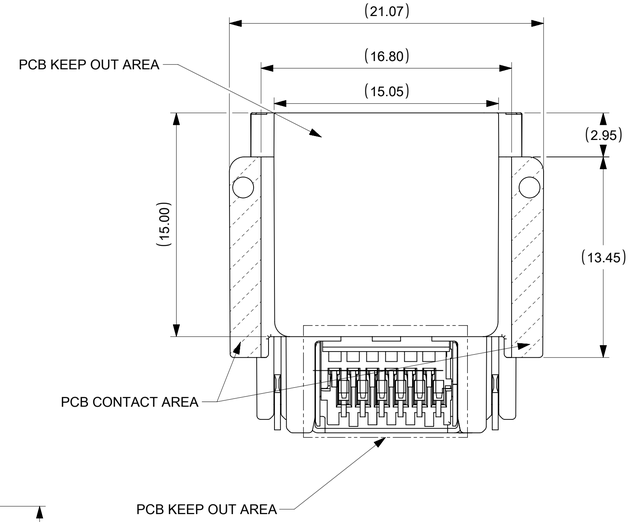
SMT VERSION WITH HIGH SPEED INSERTS

SMT VERSION HIGH SPEED INSERT	34861-8009, 8019, 8029, 8039









SCALE 10:1

KEY OPTION	DIM A
A	10.30
B	6.30
C	2.30

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DIMENSION UNITS	SCALE
mm	10:1

GENERAL TOLERANCES (UNLESS SPECIFIED)

ANGULAR TOL	±	°
4 PLACES	±	
3 PLACES	±	
2 PLACES	±	0.2
1 PLACE	±	
0 PLACES	±	

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

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APPR: JOEB17 2024/01/05

INITIAL REVISION:
DRWN: XLHE14 2018/06/25
APPR: DNAYLIS 2018/06/27

molex

12CKT HSALII RIGHT ANGLE HEADER HEADER ASSEMBLY

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
348611406	PSD	000	C11

THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
	D-SIZE	34861		GENERAL MARKET	4 OF 4

DOCUMENT STATUS	P1	RELEASE DATE	2024/01/05 14:27:53