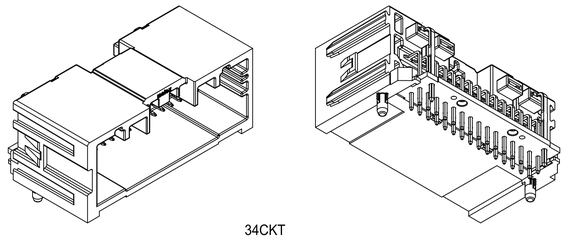
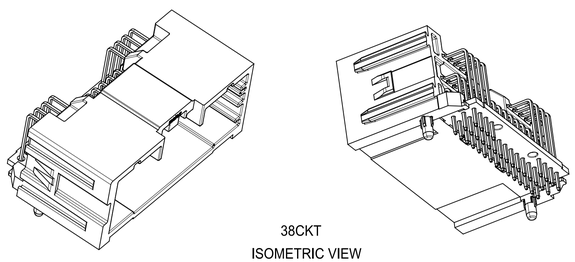
TABLE OF CONTENTS	
SHEET NO.	SHEET DESCRIPTION
1	NOTES,INSPECTION BALLOON NUMBER LOG, REV.COLUMN, ISOMETRIC VIEW, NOMINAL DIMENSION RANGE
2	PIN CONFIGURATION TABLE
3	34&38WAY POLARIZATION OPTION VIEW, HB/V0 VERSION DIFFERENCE
4	PIN INSERTION DIRECTION VIEW PAP HOLE SHAPE VIEW
5	DETAIL DIMENSION VIEW REFERENCE PCB LAYOUT



34CKT
ISOMETRIC VIEW



38CKT
ISOMETRIC VIEW

NOTES: VALID UNLESS OTHERWISE SPECIFIED
1. GENERAL:

a. CONNECTOR HEADER MUST BE VALIDATED TO THE FOLLOWING FUNCTIONAL REQUIREMENTS:
HB VALIDATION SPECIFICATION = GMW3191 JUNE 2012
V0 VALIDATION SPECIFICATION = USCAR-2 REV6
SOLDERABILITY = SMES-152

b. APPLICATION REQUIREMENTS:
SEE APPLICATION SPECIFICATION = AS-34959-001
SEE HB PRODUCT SPECIFICATION = PS-34959-001
SEE V0 PRODUCT SPECIFICATION = 2133550000-PS
COSMETIC SPECIFICATION: PS-45499-002 Class B
GEOMETRIC TOLERANCING: SEE DIN 16901 TABLE
MATES WITH: SD-34959-030
FULL PIN HEADER SD DRAWING(FOR REFERENCE): SD-34961-030

c. PACKAGING SPECIFICATION: SEE PIN CONFIGURATION TABLE

2. DESIGN MATERIALS:

a. HEADER HSG (PLASTIC HOUSING):
HB RESIN - SPS
V0 RESIN - SPS

b. PIN ALIGNMENT PLATE:
HB RESIN - SPS
V0 RESIN - SPS

c. 0.50MM BLADES:
BASE MATERIAL: BRASS
PLATING TYPE: AS NOTED

d. 1.20MM BLADES:
BASE MATERIAL: BRASS
PLATING TYPE: AS NOTED

3. PLATING REQUIREMENTS:

a. UNDERPLATING - OVERALL NICKEL

b. OVERPLATING - OVERALL TIN

DIN 16901	CODE LETTER	NOMINAL DIMENSION RANGE												
		OVER	0	1	3	6	10	15	22	30	40	53	70	90	120
		UP TO	1	3	6	10	15	22	30	40	53	70	90	120	160
PRECISION	A		±0.10	±0.12	±0.14	±0.16	±0.20	±0.22	±0.24	±0.26	±0.28	±0.31	±0.35	±0.40	±0.50
ENGINEERING	B		±0.05	±0.06	±0.07	±0.08	±0.10	±0.12	±0.14	±0.16	±0.18	±0.21	±0.25	±0.30	±0.40
A: FOR NON-MOLD RELATED DIMENSIONS (ACROSS PARTING LINE)															
B: FOR MOLD RELATED DIMENSIONS (WITHIN MOLD COMPONENTS)															

INSPECTION BALLOON NUMBER LOG
PER DRAWING REVISION: B
LAST BALLOON NUMBER USED: 8A
ADDED BALLOON NUMBERS:
REMOVED BALLOON NUMBERS:

REV	REV DESCRIPTION	ECN SAP NO.
B2	OBSOLETED PART NUMBERS SHEET 2:349611344, 349611380, 349611381, 349611383 349611384, 349611386, 349611340, 349619340, 2133559340, 349611341, 349611343, 349611382, 349619382, 349619385.	
B1	SHEET 2 : REMOVED OBSOLETED PART NUMBERS AS PER PCN#512580.	CO-000004231
B	SHEET 2: ADDED NEW PART NUMBER IN CHART SHEET 2: UPDATE PRODUCT STATUS IN CHART SHEET 3: ADDED SHEET TO SHOW PIN INSERTION DIRECTION VIEW AND PAP HOLE SHAPE VIEW	CO-000000910
A11	1. SHEET 1: UPDATED NOTES INFORMATION 2. SHEET 2: ADDED SHEET TO SHOW PIN CONFIGURATION TABLE 3. SHEET 2: ADDED NEW PART NUMBER 4. SHEET 4: ADDED "BEFORE SOLDERING" NOTE TO DIM 3 5. SHEET 4: ADDED DIM 3A	663659
A10	1. SHEET 1: ADDED PART NUMBER 34961-1343; 34961-9343; 34961-1344; 34961-1345 2. SHEET 1: STATUS OF 2133551341; 2133559341; 2133551342; 2133559342: WAS OK TO TOOL 3. SHEET 1: ADDED GENERAL TOLERANCE TABLE PER DIN 16961 4. SHEET 1: ADDED FULL LOADED HEADER SD DRAWING NUMBER IN NOTE_1b 5. SHEET 3: REMOVED THE BALLOON NUMBER FOR DIMENSION OF PCB LAYOUT 6. SHEET 3: DIM5 WAS 16.60	636289
A9	1. UPDATED BELOW V0 PART NUMBER STATUS TO SALEABLE IN SHEET 1: 2133551340, 2133559340 2. ADDED V0 VALIDATION SPECIFICATION AND V0 PRODUCT SPECIFICATION INFORMATION IN NOTES. 3. UPDATED V0/HB DIFFERENT FEATURE VIEWS IN SHEET 2.	631855
A8	1. ADDED NEW V0 PART NUMBER IN SHEET 1: 2133551340 / 2133551341 / 2133551342 2133559340 / 2133559341 / 2133559342 2. ADDED V0 MATERIAL INFORMATION IN NOTES 3. ADDED SHEET 2 TO SHOW THE POLARIZATION OPTION VIEW AND V0/HB DIFFERENT FEATURE VIEWS	625904
A7	ADDED NEW PART NUMBER IN SHEET 1: 34961-1382/34961-1383/34961-1384 34961-9382/34961-9383/34961-9384	613431
A6	1. ADDED NEW MINI50 38WAY PART NUMBER IN SHEET 1 2. ADDED MINI50 38WAY PCB LAYOUT IN SHEET 2 3. ADDED DIM17 & DIM18	611160

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

FUNCTIONAL SYMBOLS
FA = 0
FC = 0
FE = 0
DIVISIONAL SYMBOLS

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

CURRENT REV DESC: REMOVED OBSOLETED PART NUMBERS AS PER PCN#512606.

STATUS: Production
DRWN: Ravindra Reddy MS 2023-09-06
CHK'D: Ganesh Rao B 2023-10-18
APPR: Gurunandan GA 2023-10-18

THIRD ANGLE PROJECTION | DRAWING: D-SIZE | SERIES: 34961

molex

34&38CKT MINI50
DEPOPULATED PINS HEADER SALES DRAWING

PRODUCT SALES DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
SD-34961-130	PSD	001	B2

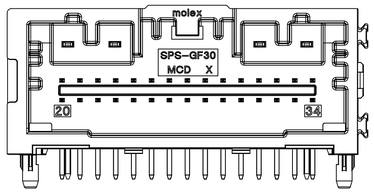
MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
SEE SHEET 2	GENERAL MARKET	1 OF 5

TABLE OF CONTENTS	
SHEET NO.	SHEET DESCRIPTION
2	PIN CONFIGURATION TABLE

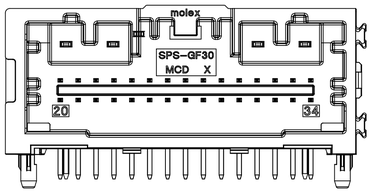
34CKT PIN CONFIGURATION TABLE

| DESCRIPTION | MATERIAL NUMBER | | | POL | UL94# | COLOR | 0.50mm PIN INSERTION DIRCTION | PIN CONFIGURATION | | |

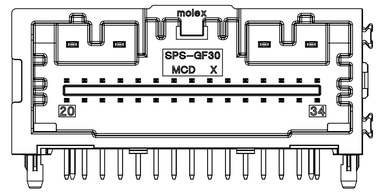
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SHEET NO.	SHEET DESCRIPTION
3	34&38WAY POLARIZATION OPTION VIEW, HB/V0 VERSION DIFFERENCE



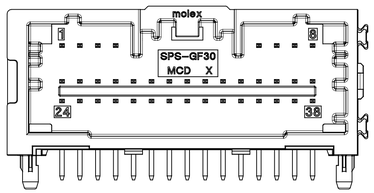
34CKT POLARIZATION OPTION 'A'



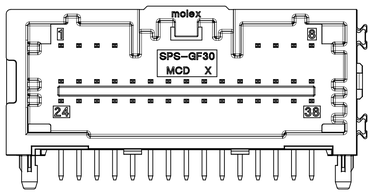
34CKT POLARIZATION OPTION 'B'



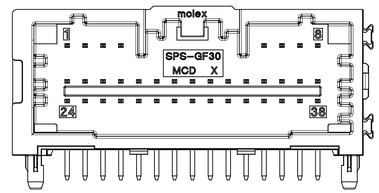
34CKT POLARIZATION OPTION 'C'



38CKT POLARIZATION OPTION UPDATED 'A'

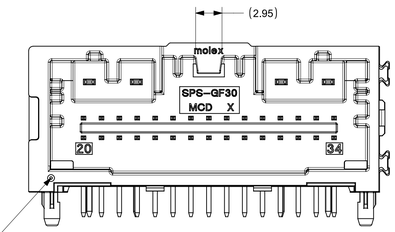


38CKT POLARIZATION OPTION UPDATED 'B'

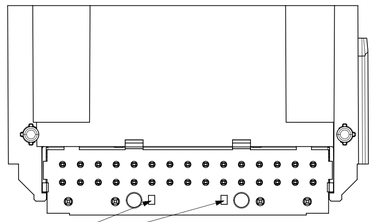


38CKT POLARIZATION OPTION UPDATED 'C'

HB / V0 VERSION DIFFERENCE

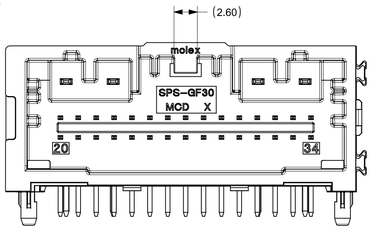


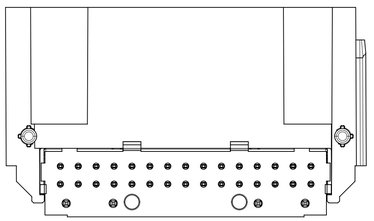
DEPRESSION FEATURE ADDED TO V0
PART TO DISTINGUISH FROM HB PART



HOLE FEATURE ADDED TO V0
PART TO DISTINGUISH FROM HB PART

V0 P/Ns: 213355XXXX
APPLIES TO ALL CKT SIZES, USE 34CKT AS SHOWN





HB P/Ns: 34961XXXX
APPLIES TO ALL CKT SIZES, USE 34CKT AS SHOWN

FUNCTIONAL SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		
FA = 0	DIMENSION UNITS: mm	SCALE: 3:1	CURRENT REV DESC: REMOVED OBSOLETED PART NUMBERS AS PER PCN#512606.
FC = 0	GENERAL TOLERANCES (UNLESS SPECIFIED)		
FP = 0	ANGULAR TOL ± 1°		
DIVISIONAL SYMBOLS	4 PLACES ±		
	3 PLACES ±		
	2 PLACES ±		
	1 PLACE ±		
	0 PLACES ±		
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		

STATUS: Production
DRWN: Ravindra Reddy MS 2023-09-06
CHK'D: Ganesh Rao B 2023-10-18
APPR: Gurunandan GA 2023-10-18

THIRD ANGLE PROJECTION | DRAWING: D-SIZE | SERIES: 34961

MATERIAL NUMBER: SEE SHEET 2 | CUSTOMER: GENERAL MARKET | SHEET NUMBER: 3 OF 5

molex

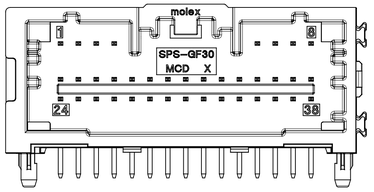
34&38CKT MINI50
DEPOPULATED PINS HEADER SALES DRAWING

PRODUCT SALES DRAWING

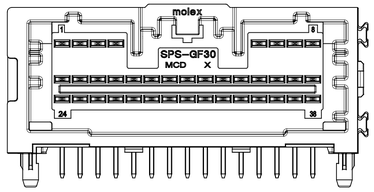
DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
SD-34961-130	PSD	001	B2

TABLE OF CONTENTS	
SHEET NO.	SHEET DESCRIPTION
4	PIN INSERTION DIRECTION VIEW PAP HOLE SHAPE VIEW

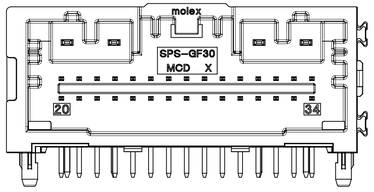
PIN INSERTION DIRECTION VIEW



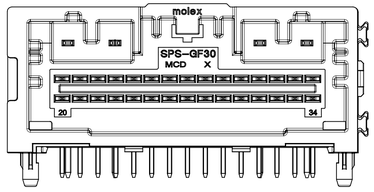
38CKT PIN INSERTION DIRECTION
PCB SIDE TO MATING SIDE



38CKT PIN INSERTION DIRECTION
MATING SIDE TO PCB SIDE

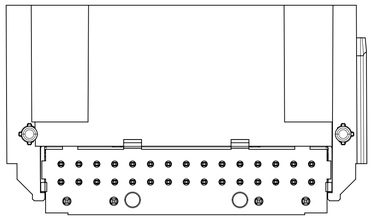


34CKT PIN INSERTION DIRECTION
PCB SIDE TO MATING SIDE

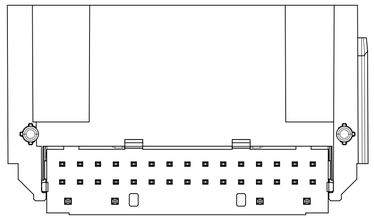


34CKT PIN INSERTION DIRECTION
MATING SIDE TO PCB SIDE

PAP HOLE SHAPE VIEW



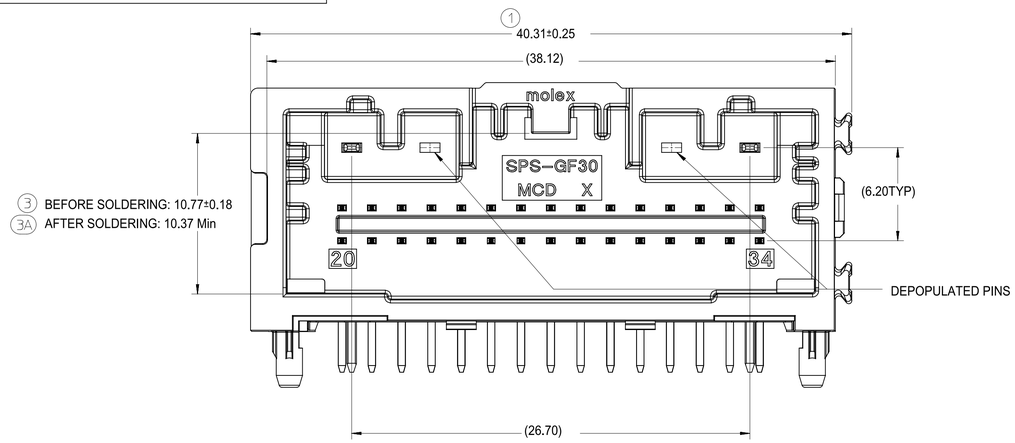
PAP HOLE SHAPE
ROUND

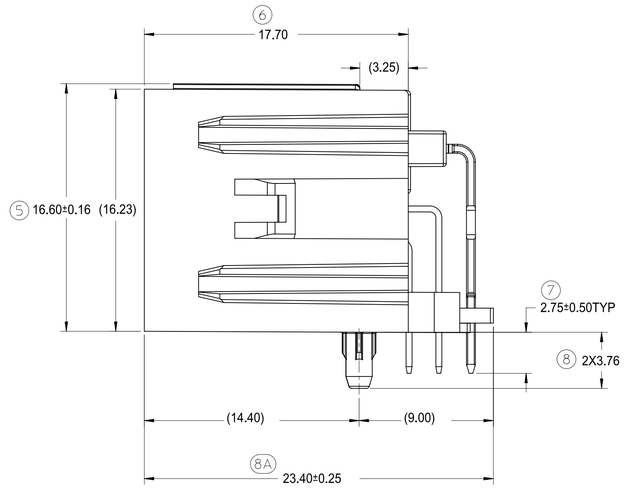


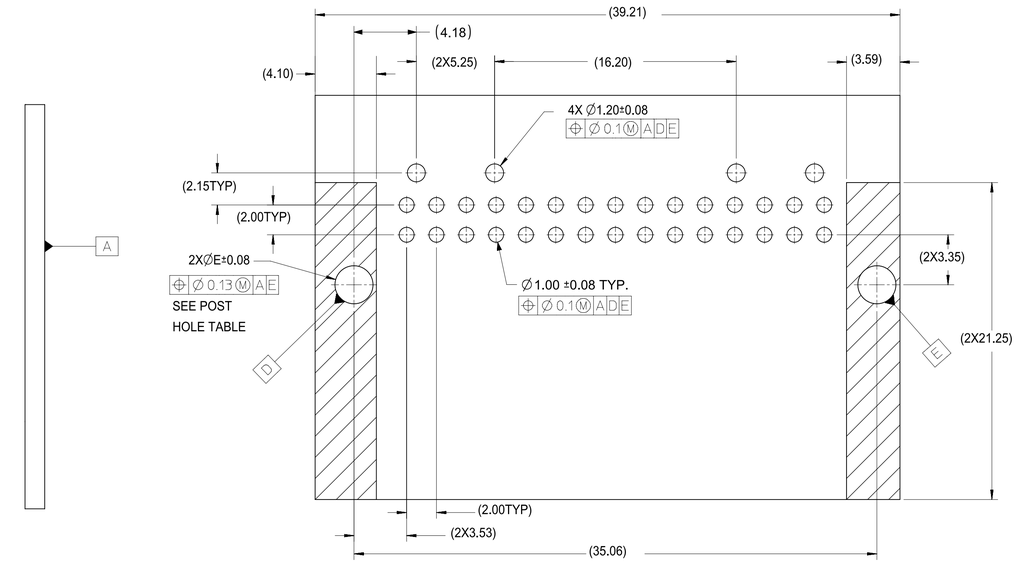
PAP HOLE SHAPE
SQUARE

FUNCTIONAL SYMBOLS FA = 0 FC = 0 FD = 0 DIVISIONAL SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				
	DIMENSION UNITS: mm	SCALE: 1:1	CURRENT REV DESC: REMOVED OBSOLETED PART NUMBERS AS PER PCN#512606.	molex	
	GENERAL TOLERANCES (UNLESS SPECIFIED) ANGULAR TOL ± 1° 4 PLACES ± 3 PLACES ± 2 PLACES ± 1 PLACE ± 0 PLACES ±			34&38CKT MINI50 DEPOPULATED PINS HEADER SALES DRAWING	
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		STATUS: Production DRWN: Ravindra Reddy MS 2023-09-06 CHK'D: Ganesh Rao B 2023-10-18 APPR: Gurunandan GA 2023-10-18	PRODUCT SALES DRAWING	
	THIRD ANGLE PROJECTION	DRAWING: D-SIZE	SERIES: 34961	DOCUMENT NUMBER: SD-34961-130	DOC TYPE: PSD / DOC PART: 001 / REVISION: B2
				MATERIAL NUMBER: SEE SHEET 2	CUSTOMER: GENERAL MARKET / SHEET NUMBER: 4 OF 5

TABLE OF CONTENTS	
SHEET NO.	SHEET DESCRIPTION
5	DETAIL DIMENSION VIEW REFERENCE PCB LAYOUT



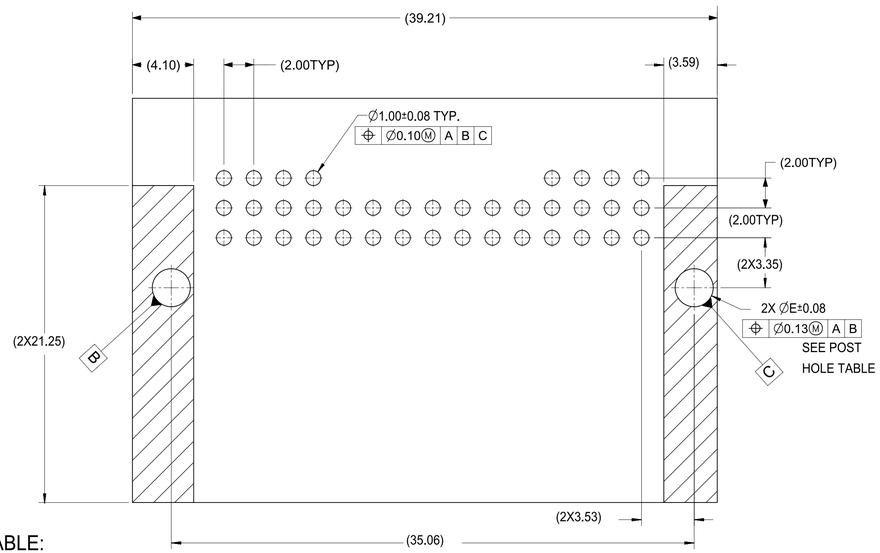




REFERENCE 34WAY PCB LAYOUT

POST HOLE TABLE:

FOR DIM E:	
PRESS FIT:	2.15
DROP IN:	2.55



REFERENCE 38WAY PCB LAYOUT

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

FUNCTIONAL SYMBOLS
FA = 0
FC = 0
FP = 0

DIVISIONAL SYMBOLS

DIMENSION UNITS	SCALE
mm	3:1

GENERAL TOLERANCES (UNLESS SPECIFIED)

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

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC: REMOVED OBSOLETED PART NUMBERS AS PER PCN#512606.

STATUS: Production

DRWN:	Ravindra Reddy MS	2023-09-06
CHK'D:	Ganesh Rao B	2023-10-18
APPR:	Gurunandan GA	2023-10-18

THIRD ANGLE PROJECTION | DRAWING: D-SIZE | SERIES: 34961

MATERIAL NUMBER: SEE SHEET 2 | CUSTOMER: GENERAL MARKET | SHEET NUMBER: 5 OF 5

molex

34&38CKT MINI50
DEPOPULATED PINS HEADER SALES DRAWING

PRODUCT SALES DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
SD-34961-130	PSD	001	B2