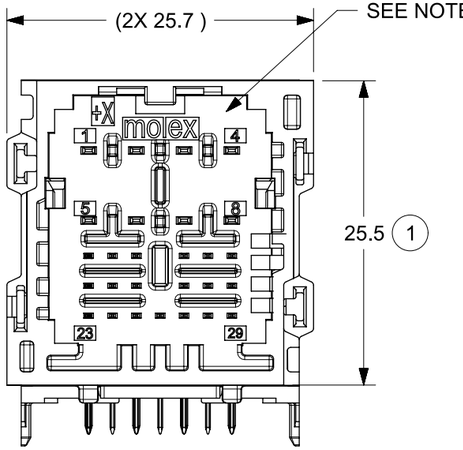
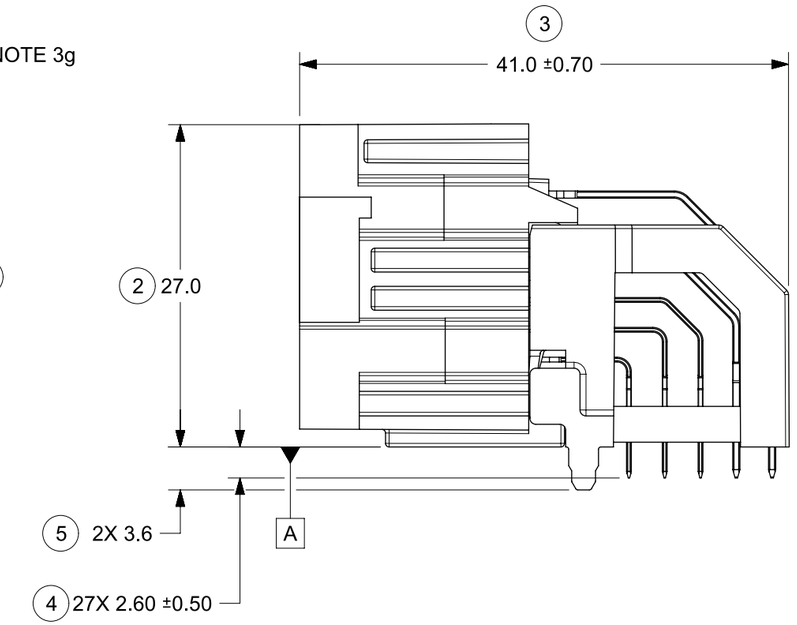
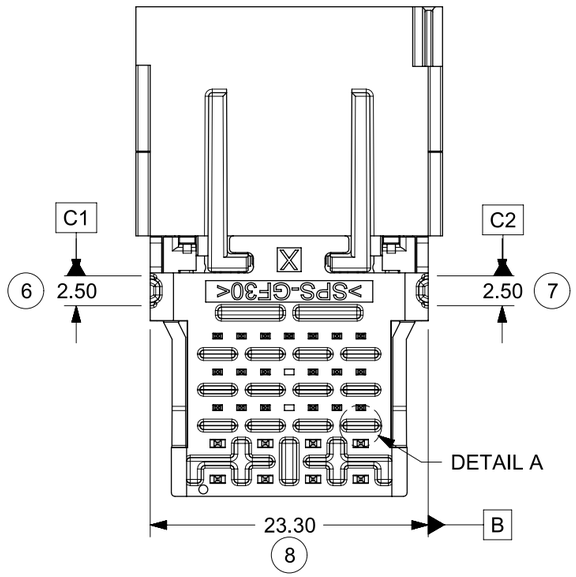
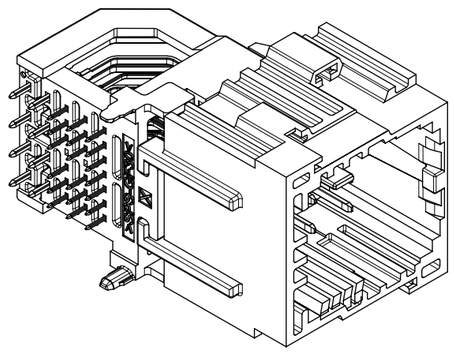


KEY 1
PART NO. 2005020271







PART NUMBER TUBE PACKAGING 2005028100	PART NUMBER TRAY PACKAGING 2005062105-PK	KEY	COLOR	TERMINAL QUANTITIES	
				0.5mm	1.2mm
2005020271	2005021271	1	BLACK	19	8
2005020272	2005021272	2	GREEN		
2005020273	2005021273	3	BLUE		
2005020274	2005021274	4	PURPLE		

FOUR (4) KEYS AVAILABLE
SEE INTERFACE DRAWING
SD-160029-002 FOR DEFINITION

NOTES: VALID UNLESS OTHERWISE SPECIFIED

1. GENERAL:
a. APPLICATION SPECIFICATION: 2005060000-AS
b. PRODUCT SPECIFICATION: 2005060001-PS
CLASSIFICATIONS T1V1S1 TO GMW 3191 2012
DEGREE OF PROTECTION IP40 TO ISO 20653 WITH MOLEX MATING CONNECTOR
c. PACKAGING SPECIFICATION PER MOLEX DRAWING

2. DESIGN - MATERIALS:
a. HOUSING: SPS 30% GF
b. BLADE TERMINALS
1. 0.5MM BLADES
BASE MATERIAL: COPPER ALLOY
CONDUCTIVITY ≥ 28% IACS @ 20°C
UNDERPLATE: OVERALL NICKEL
OVERPLATE: OVERALL TIN
2. 1.2MM BLADES
BASE MATERIAL: COPPER ALLOY
CONDUCTIVITY ≥ 28% IACS @ 20°C
UNDERPLATE: OVERALL NICKEL
OVERPLATE: OVERALL TIN

3. DESIGN - GEOMETRY:
a. ALL GRAPHIC DATA IS BASIC (NO TOLERANCE) AND MUST BE TAKEN FROM THE DATA FILE AT ITS LATEST REVISION.
b. PRODUCT DESIGN MODEL NUMBER 2005020270
c. GEOMETRIC DIMENSIONS AND TOLERANCES PER ASME Y14.5-2009
d. EDGES AND UNDIMENSIONED DETAILS PER ISO13715
e. CORNERS SHOWN AS SHARP TO BE R 0.4 MAX.
f. LETTERING SHALL BE MAX POSSIBLE FOR READABILITY. THIS INCLUDES RECYCLING CODE, CAVITY ID, VENDOR IDENTIFICATION, AND CUSTOMER MATERIAL NUMBER.
g. FOR BAY/POCKET DEFINITION SEE MOLEX INTERFACE DRAWING SD-160029-002
h. MATING HARNESS CONNECTORS MOLEX PN:
1600290011 (KEY 1)
1600290012 (KEY 2)
1600290013 (KEY 3)
1600290014 (KEY 4)

4. DESIGN - MANUFACTURING:
a. VISUAL DEFECTS SHALL MEET COSMETIC STANDARD PS-45499-002 (CLASS B)
b. REFLOW SOLDERABILITY PER SMES-152

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, FD = 0
DIVISIONAL SYMBOLS

DIMENSION UNITS	SCALE
MM	2:1

GENERAL TOLERANCES (UNLESS SPECIFIED)

ANGULAR TOL	± '
4 PLACES	±
3 PLACES	±
2 PLACES	± 0.130
1 PLACE	± 0.25
0 PLACES	±

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC: SEE REVISION TABLE

STATUS: Production
DRWN: Raghu GV 2024-01-09
CHK'D: Kun Du 2024-01-10
APPR: Ringo Hu 2024-01-10

THIRD ANGLE PROJECTION | DRAWING: B-SIZE | SERIES: 200502

molex

STAK50H MOD HDR 27 RA SINGLE BAY ASM

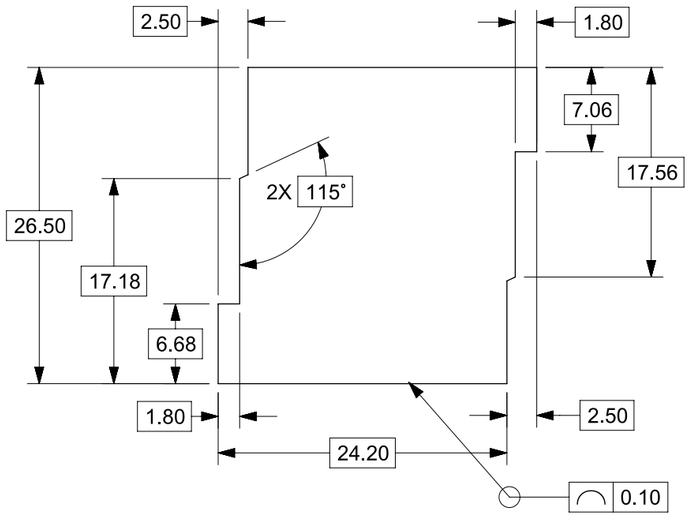
PRODUCT SALES DRAWING

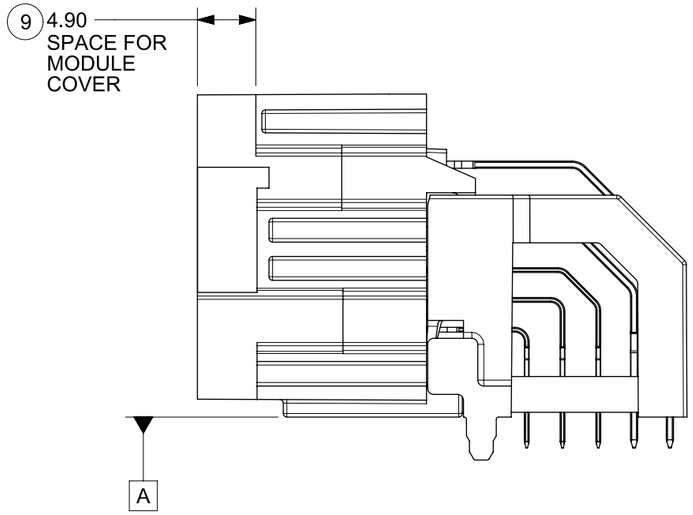
DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
2005021270SD	PSD	000	D1

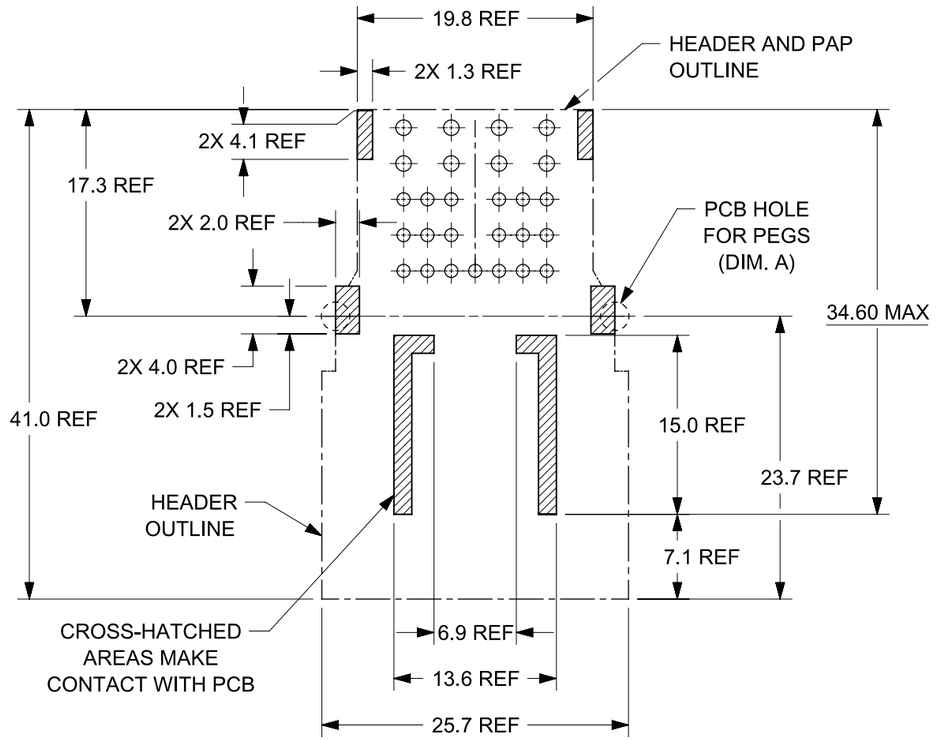
MATERIAL NUMBER: SEE TABLE | CUSTOMER | SHEET NUMBER: 1 OF 2

FORMAT: TC-tb-prod-B
REVISION: B
DATE: 2022/08/01

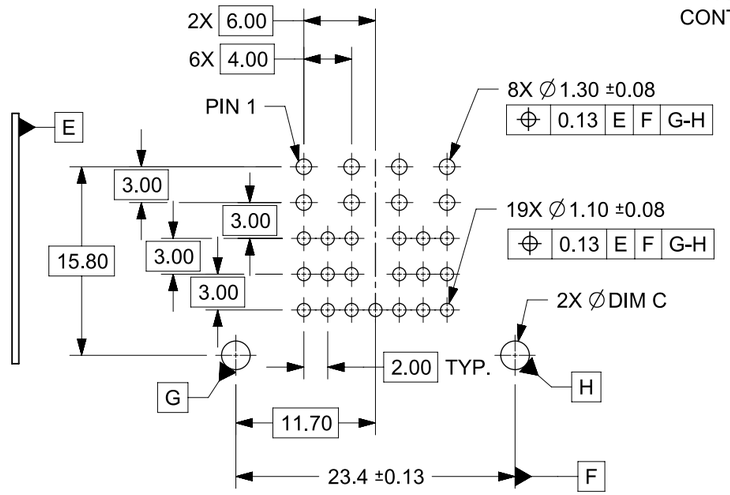
RECOMMENDED MODULE OPENING
TO PASS ISO 20653 IP40





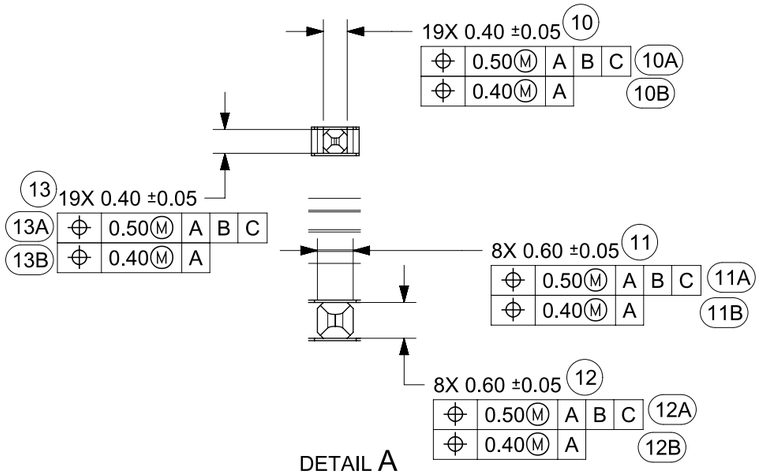


HEADER OUTLINE AND
PCB - HEADER CONTACT AREAS
FOR REFERENCE ONLY



PCB LAYOUT
FOR REFERENCE

POST HOLE FIT	DIM C
PRESS FIT	2.40±0.08
DROP IN	2.90 MIN



DETAIL A
SCALE 10:1

D1	TITLE BLOCK UPDATE
D	UPDATED THE PACKAGING DETAILS
C2	ADDED PCB HOLE DIMENSIONAL & POSITIONAL TOLERANCE 20-Feb-2020 YPENG47 ECN:630264
REVISION	DESCRIPTION

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	1:1

GENERAL TOLERANCES (UNLESS SPECIFIED)

ANGULAR TOL	± '
4 PLACES	±
3 PLACES	±
2 PLACES	± 0.130
1 PLACE	± 0.25
0 PLACES	±

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC: SEE REVISION TABLE

STATUS: Production
DRWN: Raghu GV 2024-01-09
CHK'D: Kun Du 2024-01-10
APPR: Ringo Hu 2024-01-10

THIRD ANGLE PROJECTION | DRAWING: B-SIZE | SERIES: 200502

molex

STAK50H MOD HDR 27 RA SINGLE BAY ASM

PRODUCT SALES DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
2005021270SD	PSD	000	D1

MATERIAL NUMBER: SEE TABLE | CUSTOMER | SHEET NUMBER: 2 OF 2

FORMAT: TC-db-prod-B
REVISION: B
DATE: 2022/08/01