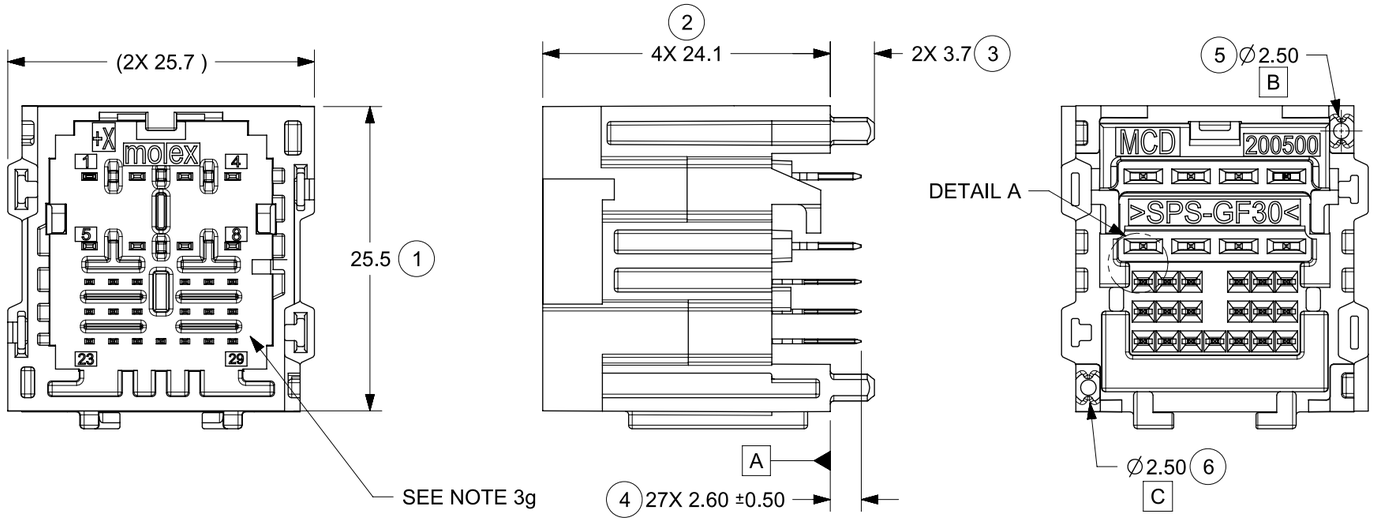


KEY 1
PART NO. 2005010271

NOTES: VALID UNLESS OTHERWISE SPECIFIED

1. GENERAL:
a. APPLICATION SPECIFICATION 2005060000-AS
b. PRODUCT SPECIFICATION 2005060001-PS
(D2) CLASSIFICATIONS T2V1S1 TO GMW 3191 2012
DEGREE OF PROTECTION IP40 TO ISO 20653 WITH MOLEX MATING CONNECTOR
c. PACKAGING SPECIFICATION PER MOLEX DRAWING

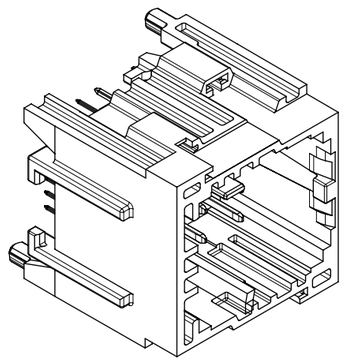
2. DESIGN - MATERIALS:
a. HOUSING: SPS 30% GF
(D2) b. BLADE TERMINALS:
1. 0.5MM BLADES
BASE MATERIAL: COPPER ALLOY
UNDERPLATE: OVERALL NICKEL
OVERPLATE: OVERALL TIN
2. 1.2MM BLADES
BASE MATERIAL: COPPER ALLOY
UNDERPLATE: OVERALL NICKEL
OVERPLATE: OVERALL TIN

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 2005010270
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

PART NUMBER TUBE PACKAGING 2005058100	PART NUMBER TRAY PACKAGING 2005053013-PK	KEY	COLOR	TERMINAL QUANTITIES	
				0.5mm	1.2mm
2005010271	2005011271	1	BLACK	19	8
2005010272	2005011272	2	GREEN		
2005010273	2005011273	3	BLUE		
2005010274	2005011274	4	PURPLE		

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



INSPECTION BALLOON NUMBER LOG
PER DRAWING REVISION: D1
LAST BALLOON NUMBER: 11B
ADDED BALLOON NUMBER: NONE
DELETED BALLOON NUMBER: NONE

SEE SHEET 2

REVISION	DESCRIPTION

FUNCTIONAL SYMBOLS
FA = 0
FC = 0
FF = 0
DIVISIONAL SYMBOLS

DIMENSION UNITS: MM
SCALE: 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: Yann Chen 2025-03-05
CHK'D: Nick Wang 2025-03-07
APPR: Ringo Hu 2025-03-07

THIRD ANGLE PROJECTION
DRAWING: B-SIZE
SERIES: 200501
MATERIAL NUMBER: SEE TABLE
CUSTOMER:

molex

STAK50H MOD HDR 27 VERT SOLDER

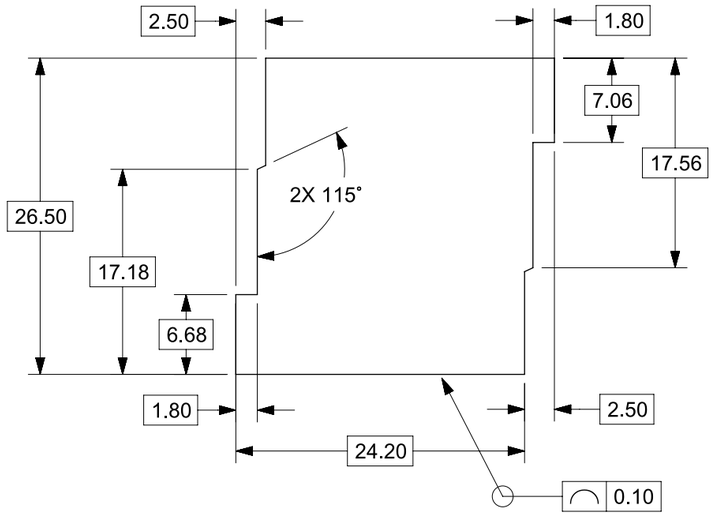
PRODUCT CUSTOMER DRAWING

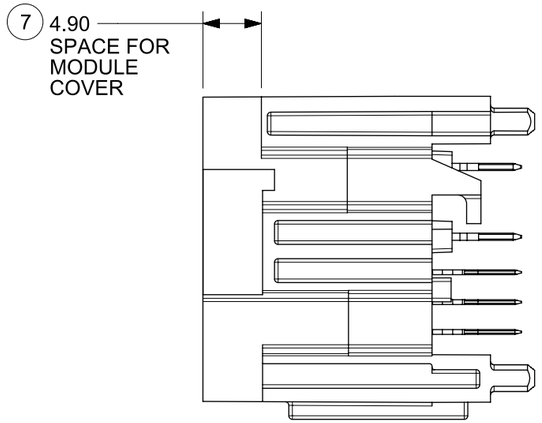
DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
2005011270SD	PSD	000	D2

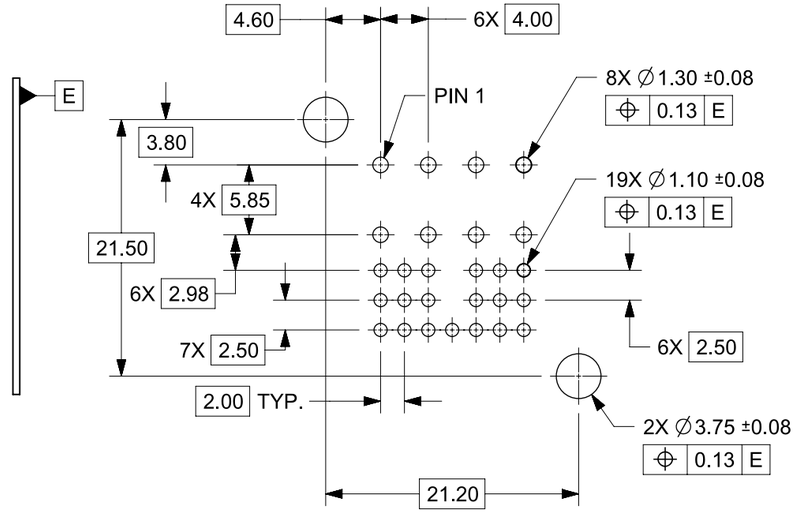
SHEET NUMBER: 1 OF 2

FORMAT: TC-6-prod
REVISION: B
DATE: 2022/08/01

RECOMMENDED MODULE OPENING
TO PASS ISO 20653 IP40

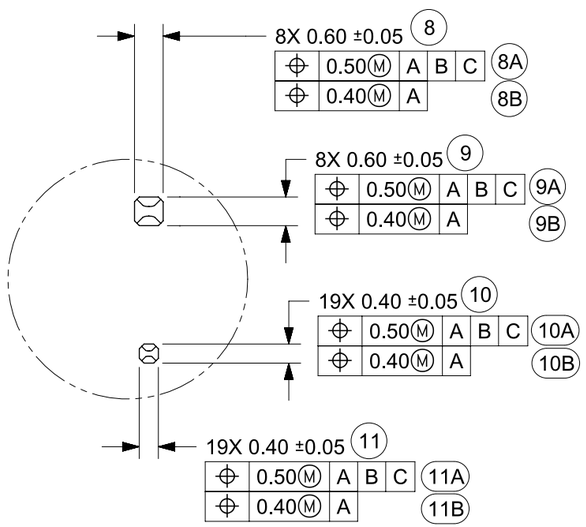






PCB LAYOUT
FOR REFERENCE

FOR SINGLE-BAY HEADER ONLY
FOR MULTIPLE-BAY STACKED HEADER SEE DRAWING 2005050000



DETAIL A
SCALE 8:1

REVISION	DESCRIPTION
D2	NOTES 1.B AND 2.B UPDATED
D1	TITLE BLOCK UPDATE
D	UPDATED THE PACKAGING DETAILS
C1	ADDED PCB HOLE DIMENSIONAL & POSITIONAL TOLERANCE 10-JUNE-2020 YPENG47 ECN:639277

FUNCTIONAL SYMBOLS
FA = 0
FC = 0
FD = 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: Yann Chen 2025-03-05
CHK'D: Nick Wang 2025-03-07
APPR: Ringo Hu 2025-03-07

THIRD ANGLE PROJECTION | DRAWING: B-SIZE | SERIES: 200501

molex

STAK50H MOD HDR 27 VERT SOLDER

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
2005011270SD	PSD	000	D2

MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
SEE TABLE		2 OF 2

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