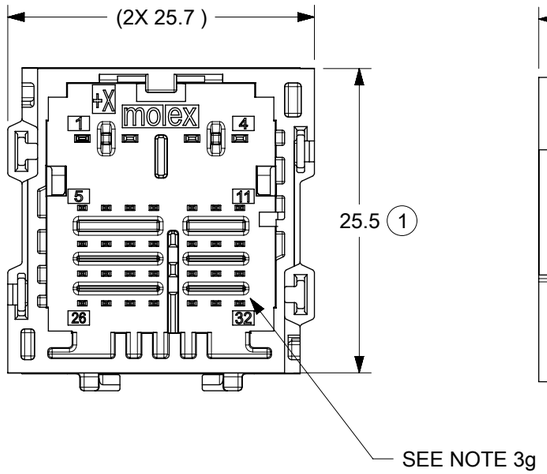
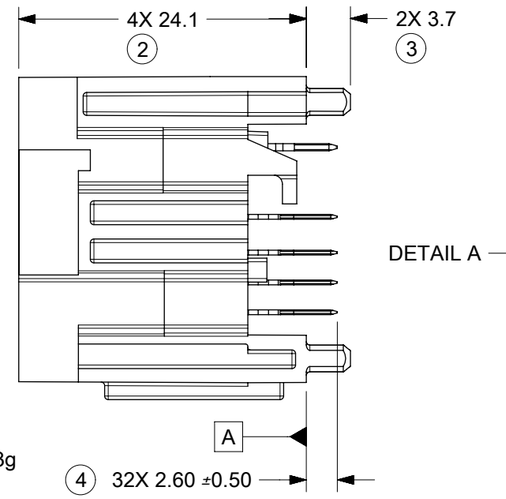
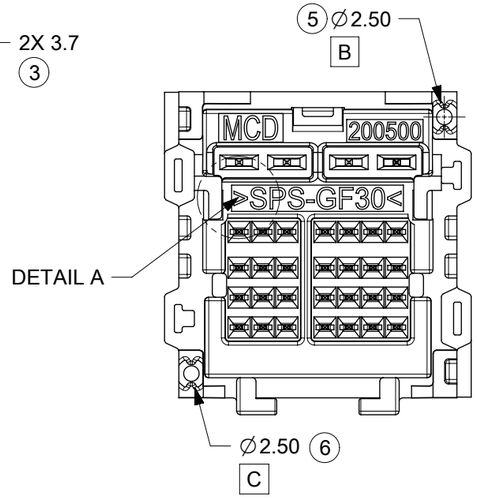


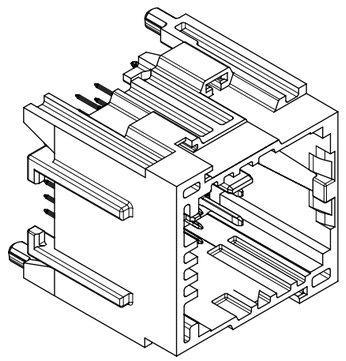
KEY 1
PART NO. 2005010321





PART NUMBER	KEY	COLOR	TERMINAL QUANTITIES	
			0.5mm	1.2mm
2005010321	1	BLACK	28	4
2005010322	2	BLUE		
2005010323	3	DARK GRAY		
2005010324	4	PURPLE		

FOUR (4) KEYS AVAILABLE
SEE INTERFACE DRAWING
SD-160028-002 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 2005010320
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-160028-002
h. MATING HARNESS CONNECTORS MOLEX PN:
1600280001 (KEY 1)
1600280002 (KEY 2)
1600280003 (KEY 3)
1600280004 (KEY 4)

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

INSPECTION BALLOON NUMBER LOG
PER DRAWING REVISION: C1
LAST BALLOON NUMBER: 11B
ADDED BALLOON NUMBER: NONE
DELETED BALLOON NUMBER: NONE

DOCUMENT STATUS	P1	RELEASE DATE	2020/06/23 15:14:23

FORMAT: master-B-size
REVISION: J
DATE: 2020/01/14

FUNCTIONAL SYMBOLS
FA = 0
FC = 0
FB = 0
DIVISIONAL SYMBOLS

DIMENSION UNITS: mm
SCALE: 2:1
GENERAL TOLERANCES (UNLESS SPECIFIED)
ANGULAR TOL ± °
4 PLACES ± 0.0
3 PLACES ± 0.0
2 PLACES ± 0.13
1 PLACE ± 0.25
0 PLACES ± 0.0
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC: SEE REVISION SHEET
EC NO: 639277
DRWN: YPENG47 2020/02/17
CHK'D: JRUTTER 2020/06/22
APPR: JCONDON 2020/06/23
INITIAL REVISION:
DRWN: JRUTTER 2015/07/23
APPR: RBAUMAN 2016/08/22

THIRD ANGLE PROJECTION
DRAWING: B-SIZE
SERIES: 200501

molex

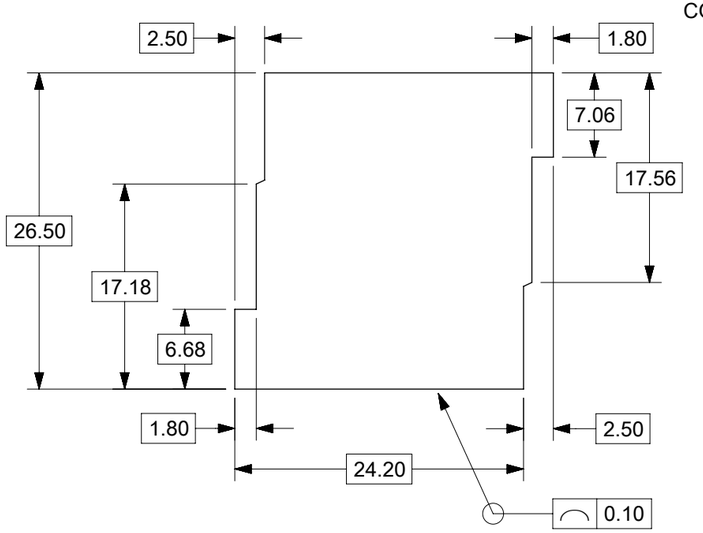
STAK50H MOD HDR 32 VERT SOLDER

PRODUCT CUSTOMER DRAWING

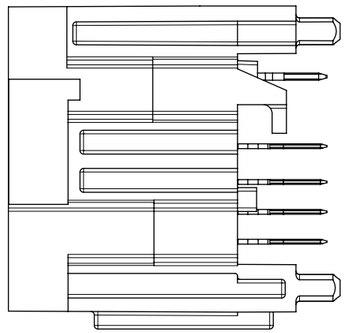
DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
2005011320SD	PSD	000	C1

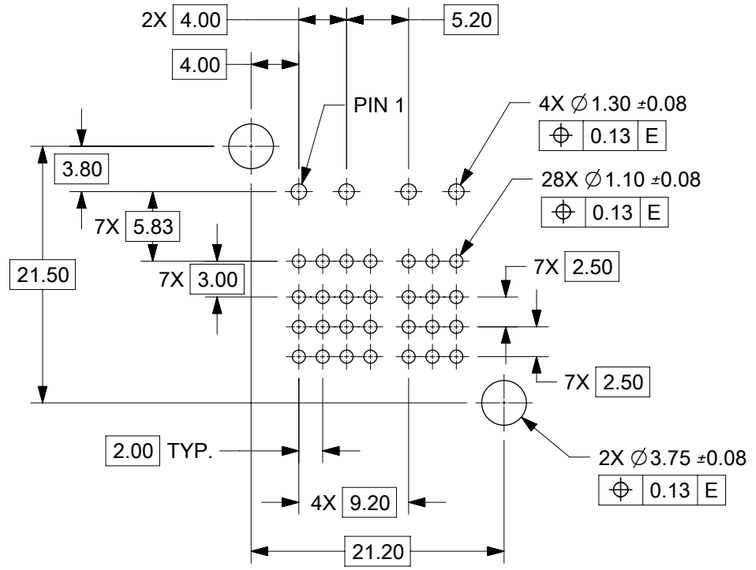
MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
		1 OF 2

RECOMMENDED MODULE OPENING
TO PASS ISO 20653 IP40



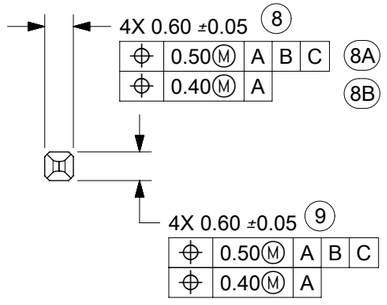
(7) 4.90
SPACE FOR
MODULE
COVER





PCB LAYOUT
FOR REFERENCE

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



DETAIL A
SCALE 8:1

REVISION	DESCRIPTION
C1	ADDED PCB HOLE DIMENSIONAL & POSITIONAL TOLERANCE 10-JUNE-2020 YPENG47 ECN:639277

FUNCTIONAL SYMBOLS
FA = 0
FC = 0
FP = 0

DIVISIONAL SYMBOLS

DIMENSION UNITS	SCALE
mm	1:1

GENERAL TOLERANCES (UNLESS SPECIFIED)

ANGULAR TOL	±	°
4 PLACES	±	0.0
3 PLACES	±	0.0
2 PLACES	±	0.13
1 PLACE	±	0.25
0 PLACES	±	0.0

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC: SEE REVISION SHEET

EC NO: 639277
DRWN: YPENG47 2020/02/17
CHK'D: JRUTTER 2020/06/22
APPR: JCONDON 2020/06/23

INITIAL REVISION:
DRWN: JRUTTER 2015/07/23
APPR: RBAUMAN 2016/08/22

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

molex

STAK50H MOD HDR 32 VERT SOLDER

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
2005011320SD	PSD	000	C1

MATERIAL NUMBER | CUSTOMER | SHEET NUMBER: 2 OF 2

DOCUMENT STATUS	P1	RELEASE DATE	2020/06/23 15:14:23

FORMAT: master-B-portrait
REVISION: J
DATE: 2020/01/14