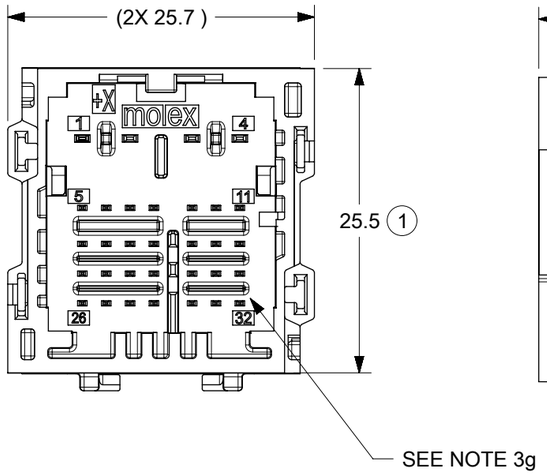
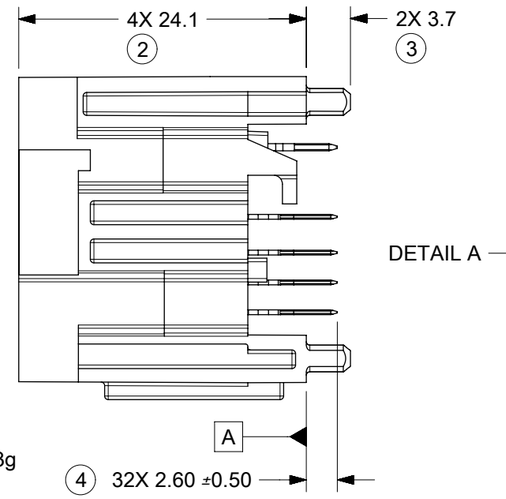
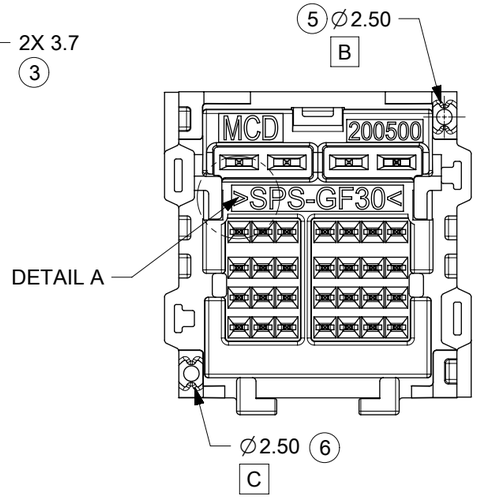


KEY 1
PART NO. 2005010321





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

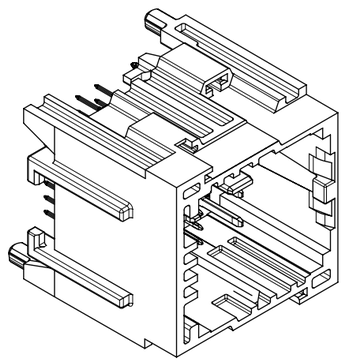
NOTES: VALID UNLESS OTHERWISE SPECIFIED

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



QUALITY SYMBOLS
E = 0
F = 0
G = 0
▼ = 0
C = 0
☒ = 0
■ = 0
▽ = 0

INTERFACE, PCB TOL
EC NO: 602205 2018/07/27
DRWN: JRUTTER 2018/08/01
CHK'D: JCONDON 2018/08/01
APPR: JCONDON

C REV

GENERAL TOLERANCES (UNLESS SPECIFIED)
ANGULAR TOL ± 0.5 °
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

DIMENSION UNITS: mm
SCALE: 2:1
DRWN BY: JRUTTER DATE: 2015/07/23
CHK'D BY: DATE:
APPR BY: RBAUMAN DATE: 2016/08/22
DRAWING SIZE: B
THIRD ANGLE PROJECTION

molex®

STAK50H MOD HDR 32 VERT SOLDER

PRODUCT CUSTOMER DRAWING

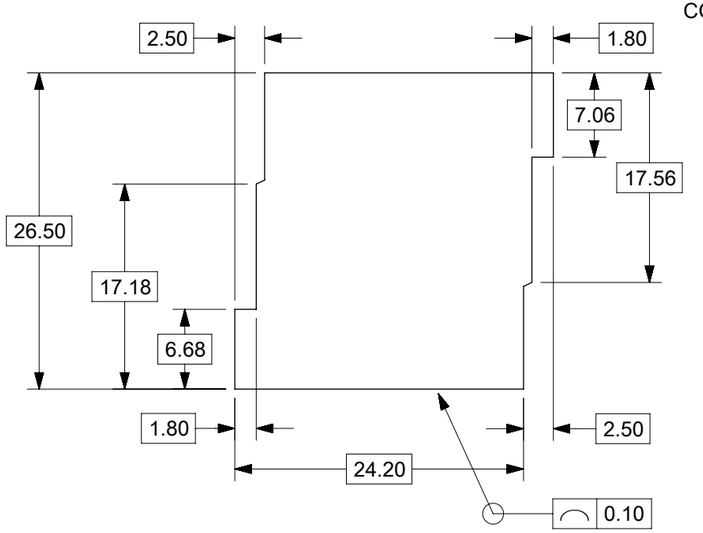
SERIES	MATERIAL NUMBER	CUSTOMER
200501	SEE CHART	

DOCUMENT NUMBER	DOC TYPE	DOC PART	SHEET NUMBER
2005011320SD	PSD	000	1 OF 2

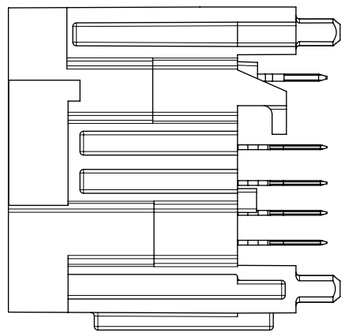
RELEASE STATUS	P1	RELEASE DATE	2018/08/01 16:14:17

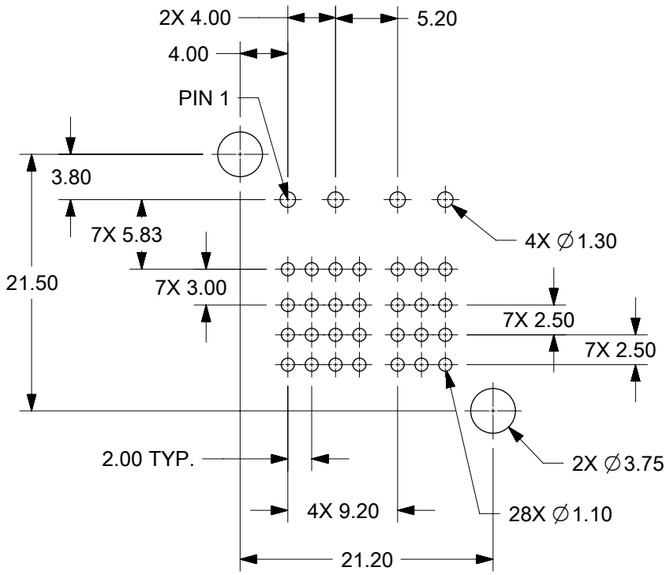
FORMAT: master-tb-prod-B
REVISION: G
DATE: 2017/02/06

RECOMMENDED MODULE OPENING
TO PASS ISO 20653 IP40

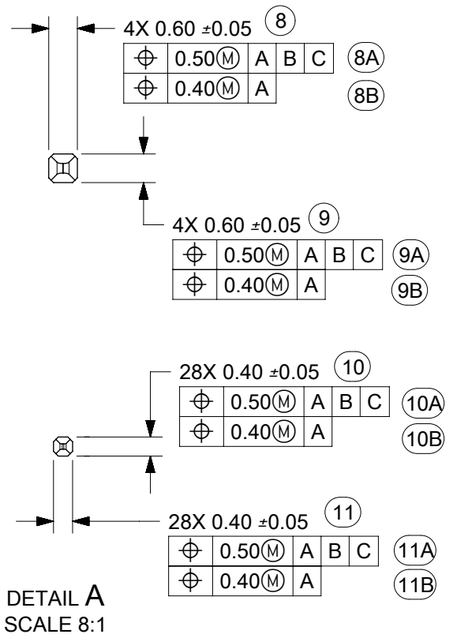


(7) 4.90
SPACE FOR
MODULE
COVER





PCB LAYOUT
FOR REFERENCE



DETAIL A
SCALE 8:1

QUALITY SYMBOLS
= 0
= 0
= 0
= 0
= 0
= 0
= 0
= 0
= 0

INTERFACE, PCB TOL
EC NO: 602205 2018/07/27
DRWN: JRUTTER 2018/08/01
CHK'D: JCONDON 2018/08/01
APPR: JCONDON

GENERAL TOLERANCES (UNLESS SPECIFIED)

ANGULAR TOL ±	0.5 °
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

REV: C

DIMENSION UNITS	mm
SCALE	1:1
DRWN BY	JRUTTER
DATE	2015/07/23
CHK'D BY	
DATE	
APPR BY	RBAUMAN
DATE	2016/08/22
DRAWING SIZE	B
THIRD ANGLE PROJECTION	

molex®

STAK50H MOD HDR 32 VERT SOLDER

PRODUCT CUSTOMER DRAWING

SERIES	MATERIAL NUMBER	CUSTOMER
200501	SEE CHART	

DOCUMENT NUMBER	DOC TYPE	DOC PART	SHEET NUMBER
2005011320SD	PSD	000	2 OF 2

RELEASE STATUS	P1	RELEASE DATE	2018/08/01 16:14:17

FORMAT: master-tb-prod-B
REVISION: G
DATE: 2015/12/14