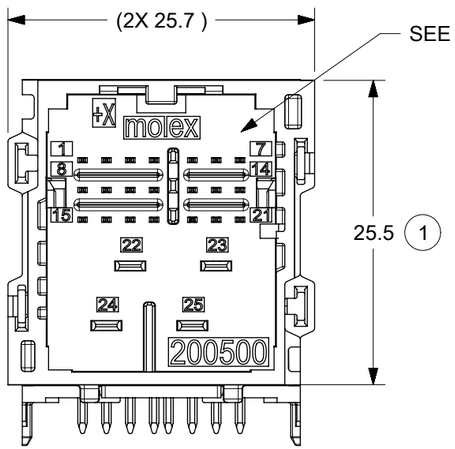
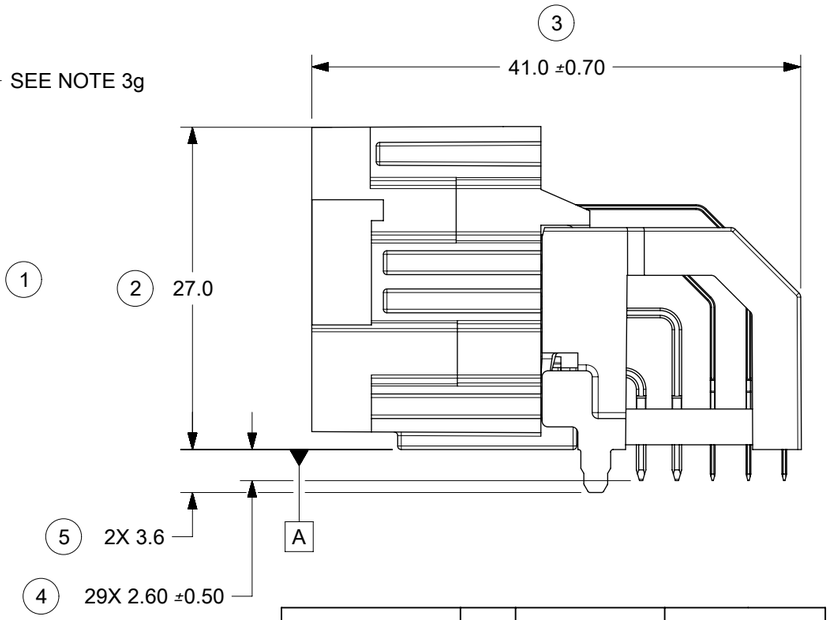
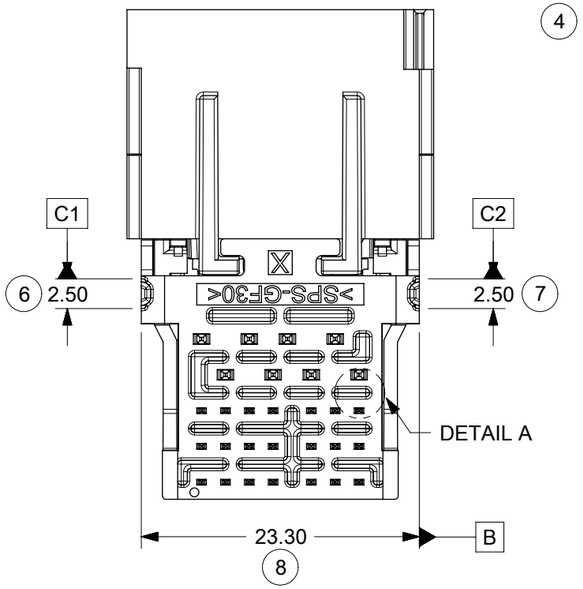
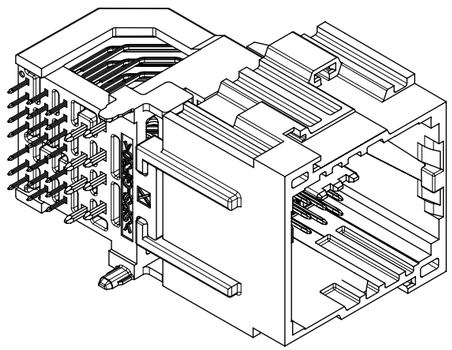


KEY 1
PART NO. 2005020251







PART NUMBER	KEY	COLOR	TERMINAL QUANTITIES	
			0.5mm	2.8mm
2005020251	1	GREEN	21	4
2005020252	2	GRAY		
2005020253	3	BLACK		
2005020254	4	DARK GRAY		

FOUR (4) KEYS AVAILABLE
SEE INTERFACE DRAWING
SD-160027-002 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 IP20 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. 2.8MM BLADES
BASE MATERIAL: COPPER ALLOY
CONDUCTIVITY ≥ 40% IACS @ 20°C
UNDERPLATE: OVERALL NICKEL
OVERPLATE: OVERALL TIN
3. DESIGN - GEOMETRY:
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 2005020250
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-160027-002
h. MATING HARNESS CONNECTORS MOLEX PN:
1600270001 (KEY 1)
1600270002 (KEY 2)
1600270003 (KEY 3)
1600270004 (KEY 4)
4. DESIGN - MANUFACTURING:
a. VISUAL DEFECTS SHALL MEET COSMETIC STANDARD PS-45499-002 (CLASS B)
b. REFLOW SOLDERABILITY PER SMES-152

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: ADDED PCB HOLE DIMENSIONAL & POSITIONAL TOLERANCE

EC NO: 635042
DRWN: JRUTTER 2019/12/11
CHK'D: JRUTTER 2020/04/03
APPR: JRUTTER 2020/04/07

INITIAL REVISION:
DRWN: JRUTTER 2015/06/25
APPR: RBAUMAN 2016/08/22

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

molex

STAK50H MOD HDR 25 RA SOLDER SINGLE BAY

PRODUCT CUSTOMER DRAWING

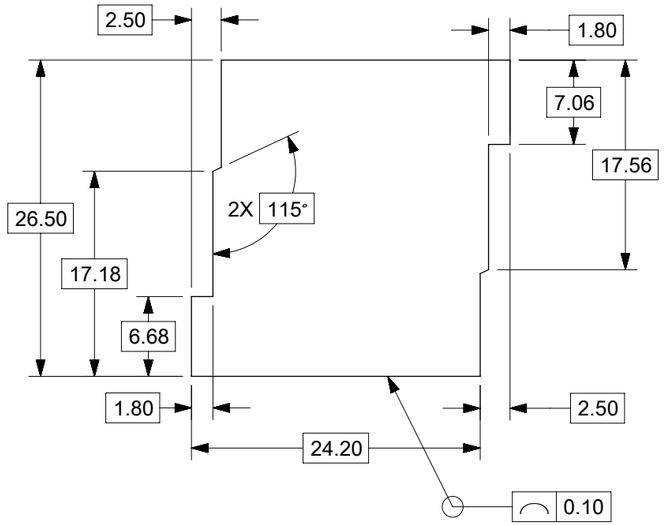
DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
2005021250SD	PSD	000	C2

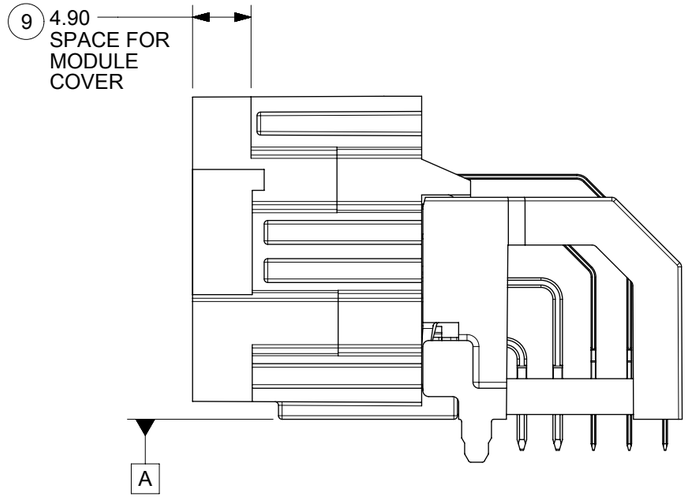
MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
SEE CHART		1 OF 2

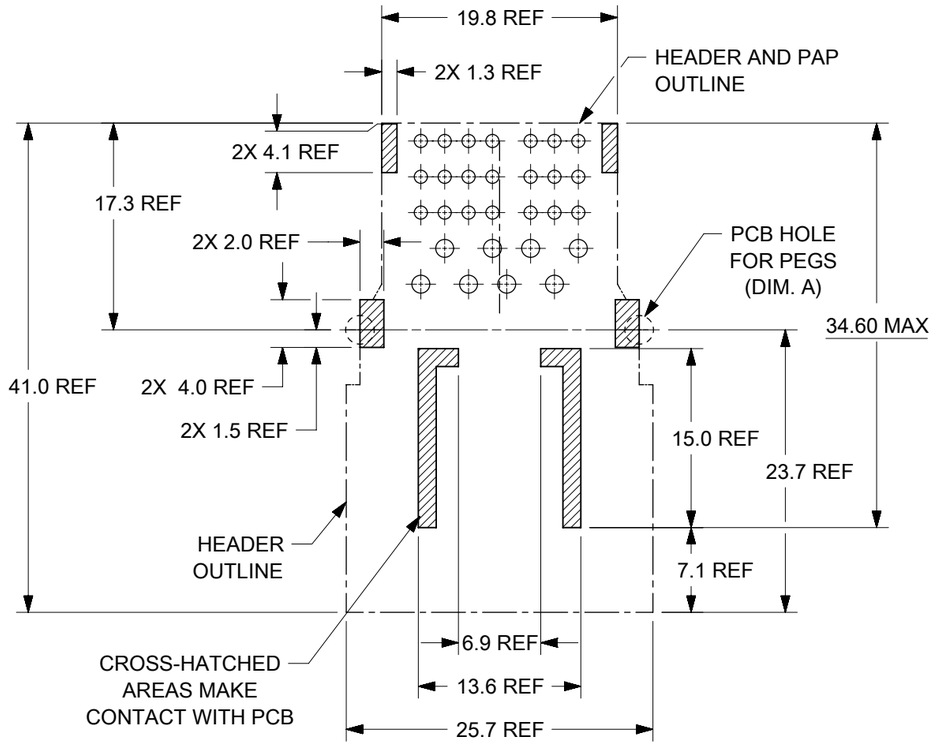
DOCUMENT STATUS	P1	RELEASE DATE	2020/04/07 14:46:09

FORMAT: master-B-size
REVISION: H
DATE: 2018/01/18

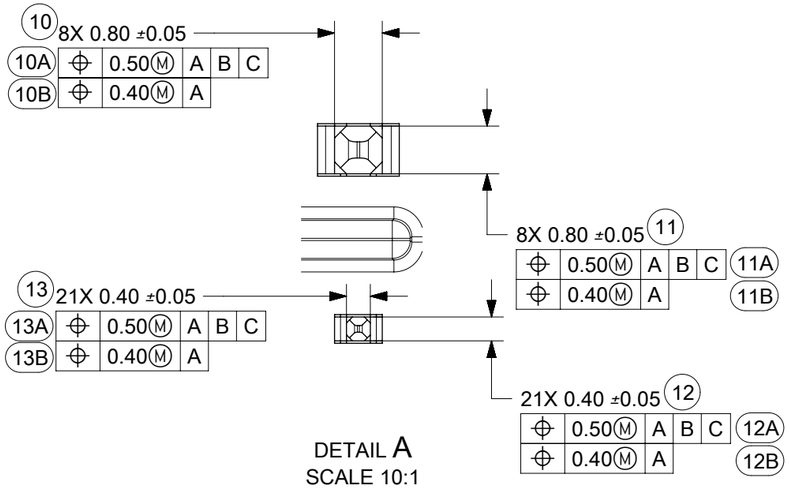
RECOMMENDED MODULE OPENING



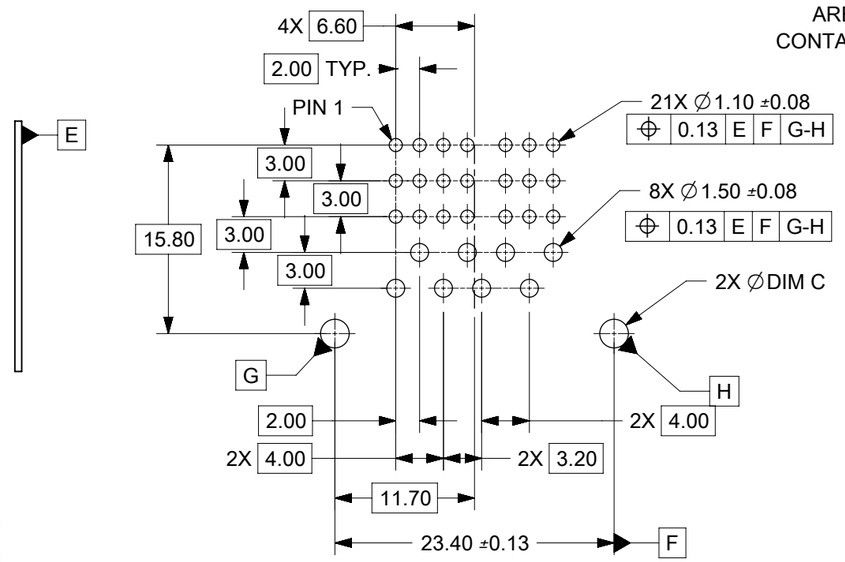




HEADER OUTLINE AND
PCB - HEADER CONTACT AREAS
FOR REFERENCE ONLY



DETAIL A
SCALE 10:1



PCB LAYOUT
FOR REFERENCE

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

C2	ADDED PCB HOLE DIMENSIONAL & POSITIONAL TOLERANCE 02-APRIL-2020 YPENG47 ECN:635042
REVISION	DESCRIPTION

DIMENSION UNITS	mm
SCALE	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: ADDED PCB HOLE DIMENSIONAL & POSITIONAL TOLERANCE

EC NO: 635042
DRWN: JRUTTER 2019/12/11
CHK'D: JRUTTER 2020/04/03
APPR: JRUTTER 2020/04/07

INITIAL REVISION:
DRWN: JRUTTER 2015/06/25
APPR: RBAUMAN 2016/08/22

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

molex

STAK50H MOD HDR 25 RA SOLDER SINGLE BAY

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
2005021250SD	PSD	000	C2

MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
SEE CHART		2 OF 2

DOCUMENT STATUS	P1	RELEASE DATE	2020/04/07 14:46:09

FORMAT: master-B-prod
REVISION: H
DATE: 2018/01/18