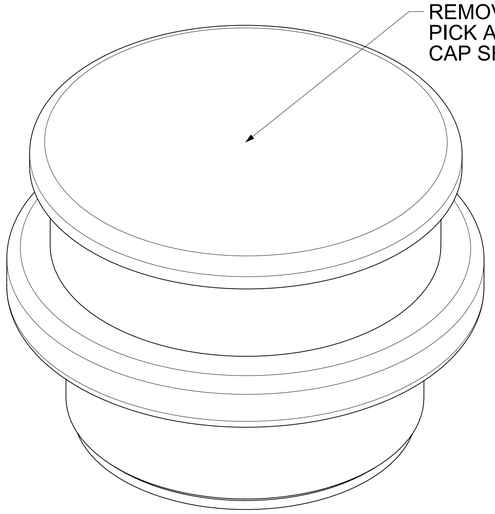
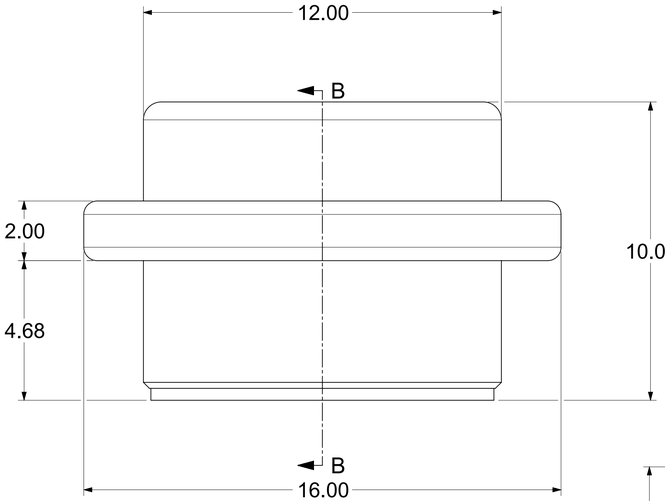
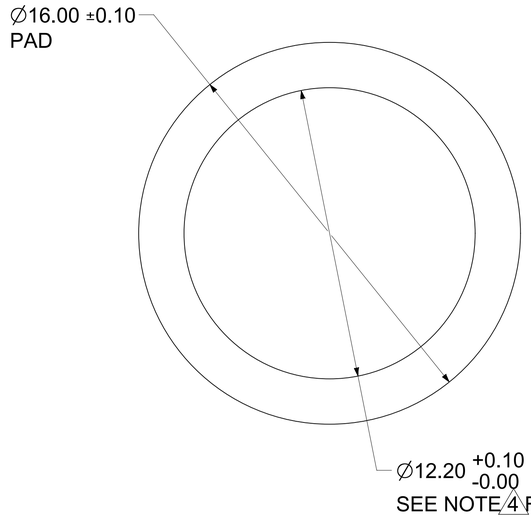
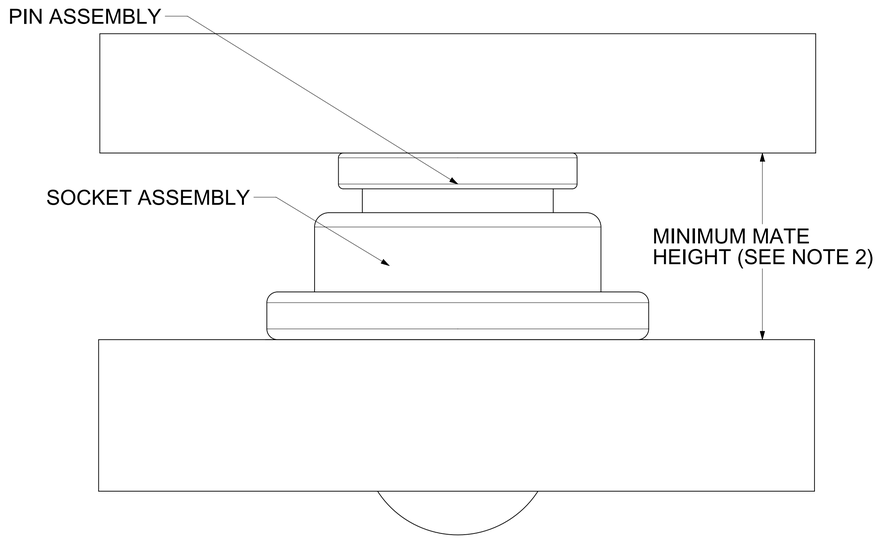


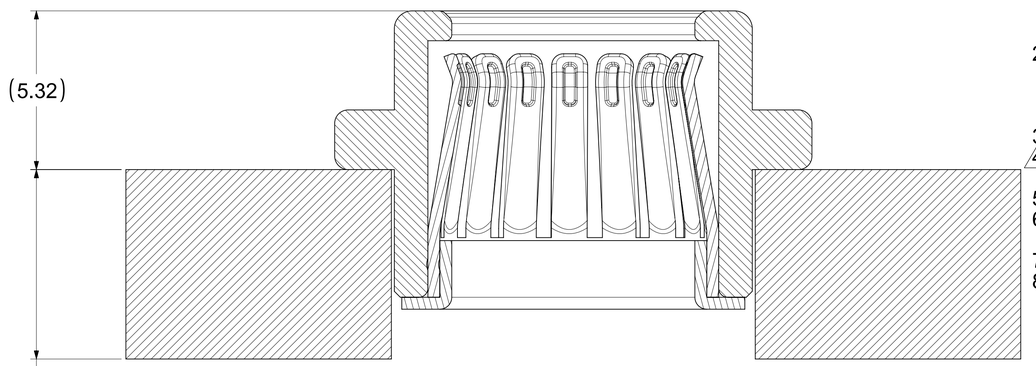


RECOMMENDED PCB LAYOUT





MATING PROFILE



SECTION B-B

NOTES:
1. MATERIALS:
   RETENTION CAP: STAINLESS STEEL
   PICK AND PLACE CAP: LCP UL94, V-0 COLOR BLACK
   BASE METAL: HIGH CONDUCTIVE COPPER ALLOY
   PLATING ON CONTACTS: 0.75 MICRON MIN GOLD OVER 1.27 MICRON MIN NICKEL
   PLATING ON BODY: 3.18 MICRON MIN SILVER OVER 1.27 MICRON MIN NICKEL
2. MATES WITH STANDARD PIN DRAWINGS:
   i. 8.0MM SMT DRAWING 2032633080-SD, MIN. MATING DISTANCE 7.45MM
   ii. 8.0MM PRESS FIT DRAWING 2032630001-SD, MIN. MATING DISTANCE 7.8MM
   iii. 8.0MM SCREW MOUNT DRAWING 2032634185-SD, MIN. MATING DISTANCE 10.8MM
3. PRODUCT SPECIFICATION: 2043130001-PS
4. △ APPLICATION SPECIFICATION: 2043130001-AS.
   SEE APPLICATION SPEC FOR SOLDERING INFORMATION.
5. PACKAGING SPECIFICATION: 2043180001-PK.
6. SILVER COMPONENTS WILL BE SUPPLIED TARNISH FREE
   BUT MAY TARNISH OVER TIME.
7. PICK AND PLACE CAP TO BE REMOVED AFTER SOLDERING
8. DATE CODE TO BE LASER MARKED APPROXIMATELY WHERE SHOWN
   USING DDDYY FORMAT

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

DIMENSION UNITS	SCALE
mm	NTS

GENERAL TOLERANCES (UNLESS SPECIFIED)

ANGULAR TOL	±	0.5 °
4 PLACES	±	
3 PLACES	±	
2 PLACES	±	0.15
1 PLACE	±	0.25
0 PLACES	±	

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC:

EC NO: 663458
DRWN: RLOW 2021/04/22
CHK'D: JJONIAK 2021/08/03
APPR: JJONIAK 2021/08/03

INITIAL REVISION:
DRWN: JJONIAK 2018/12/03
APPR: BPISZCZOR 2019/06/20

molex

8.0MM COEUR MODIFIED HEIGHT SMT

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
2043180011-SD	PSD	000	B1

THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
	D-SIZE	204318	2043180011	GENERAL MARKET	1 OF 1

DOCUMENT STATUS	P1	RELEASE DATE	2021/08/03	19:55:59