NOTES

1. GENERAL:

1.1. ALL PRODUCT SPECIFICATIONS AND THEIR RELATED DOCUMENTS USING THIS FEATURE MUST REFERENCE THIS DOCUMENT AS THE CONTROLLING SPECIFICATION AND USE THE SAME BALLOON NUMBERS.

1.2. COMPLIANCY TO THIS DOCUMENT:

a) COMPLIANCY MAY BE CLAIMED BY MEETING THE REQUIREMENTS IN THIS SPECIFICATION WITH THE DEVIATION IDENTIFIED AND MAY BE REFERENCED IN OTHER DOCUMENTS (DRAWINGS, DVP&R, ETC.) AS 'CONFORMS TO MOLEX 347350050 REV X.X'.

b) PRODUCTS DESIGNED AFTER THE DATE OF RELEASE OF THIS DOCUMENT SHALL BE COMPLIANT TO THE CURRENT REVISION OF THIS DOCUMENT.

c) PRODUCTS THAT HAVE MET PREVIOUS REVISION(S) OF THIS DOCUMENT SPECIFICATION SHALL STILL BE CONSIDERED 'MOLEX STANDARDS COMPLIANT' TO THOSE REVISIONS AND DO NOT NEED TO BE RE-VALIDATED.

1.3. DEVIATIONS TO THIS DOCUMENT ARE ALLOWABLE UNDER THE FOLLOWING CONDITIONS:

a) ALL DEVIATIONS SHALL SHOW EQUAL OR BETTER PERFORMANCE (ELECTRICAL/MECHANICAL) AS REQUIRED BY VALIDATION SPECIFICATION.

b) EXCEPTIONS ARE CLEARLY IDENTIFIED ON THE PRODUCT SPECIFICATION.

c) ALL DEVIATIONS ARE APPROVED BY THE FOLLOWING INDIVIDUALS:
- PERSON WHO HAS INTERFACE RESPONSIBILITY
- PERSON WITH DESIGN STANDARD APPROVER AUTHORITY

d) ALL RECORDS OF DEVIATION APPROVALS SHALL BE INCLUDED WITH CHANGE NOTICE DOCUMENTATION.

2. DESIGN - MATERIALS:

2.1. BASE MATERIAL TYPE : COPPER ALLOY

3. DESIGN - GEOMETRY:

3.1. THE 3-D CAD DATA IS BASIC (WITHOUT TOLERANCE) AND MASTER FOR THIS PART WITH EXCEPTION TO UNDERLINED DIMENSIONS. DIMENSIONAL INFORMATION NOT SHOWN ON THIS DRAWING IS DEFINED BY THE DATA FILE AT ITS LATEST REVISION.

3.2. PRODUCT DESIGN MODEL NUMBER(S): SEE BOM TABLE

3.3. GEOMETRIC DIMENSIONS AND TOLERANCES PER ASME Y14.5-2009

3.4. EDGES OF UNDEFINED SHAPE PER ISO 13715.

3.5. DIMENSIONS AND TOLERANCES APPLY BEFORE AND AFTER PLATING.

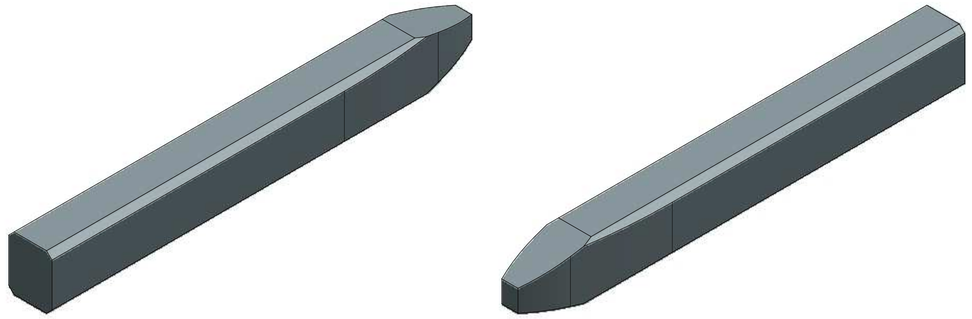
3.6. GENERAL TOLERANCES: SEE TITLE BLOCK

4. DESIGN - MANUFACTURING:

4.1. ANY REMAINING PROCESS LUBRICANT MUST NOT VARNISH OR DEGRADE ELECTRICAL PERFORMANCE. PROCESS LUBRICANTS SHOULD BE APPROVED BY THE RESPONSIBLE ENGINEER.

4.2. ALLOWABLE BURR: 0.03mm MAX UNLESS OTHERWISE SPECIFIED

4.3. FOR UNPLATES BLADES - TOOLING MARKS SPANNING ACROSS OR ALONG THE INTERFACING PROFILE OF THE BLADE SHOULD BE FURTHER INSPECTED. A TOOLING MARK DEEPER THAN 1 MICRON SHOULD NOT BE ACCEPTED.



SCALE 50:1

0.5 MM PIN VIEW SHOWN FOR REPRESENTATION PURPOSES ONLY

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

EC NO: 638183 2020/05/20
DRWN: SJAZRAWI 2020/05/23
CHK'D: YLEPOTTIER
APPR: YLEPOTTIER

REV
A19

GENERAL TOLERANCES (UNLESS SPECIFIED)	
ANGULAR TOL ±	°
4 PLACES	±
3 PLACES	± 0.015
2 PLACES	± 0.05
1 PLACE	± 0.1
0 PLACES	±

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION UNITS	SCALE
mm	50:1

DRWN BY	DATE
SJAZRAWI	2016/08/16

CHK'D BY	DATE

APPR BY	DATE
YLEPOTTIER	2016/09/27

DRAWING SIZE	THIRD ANGLE PROJECTION
A1	

molex®

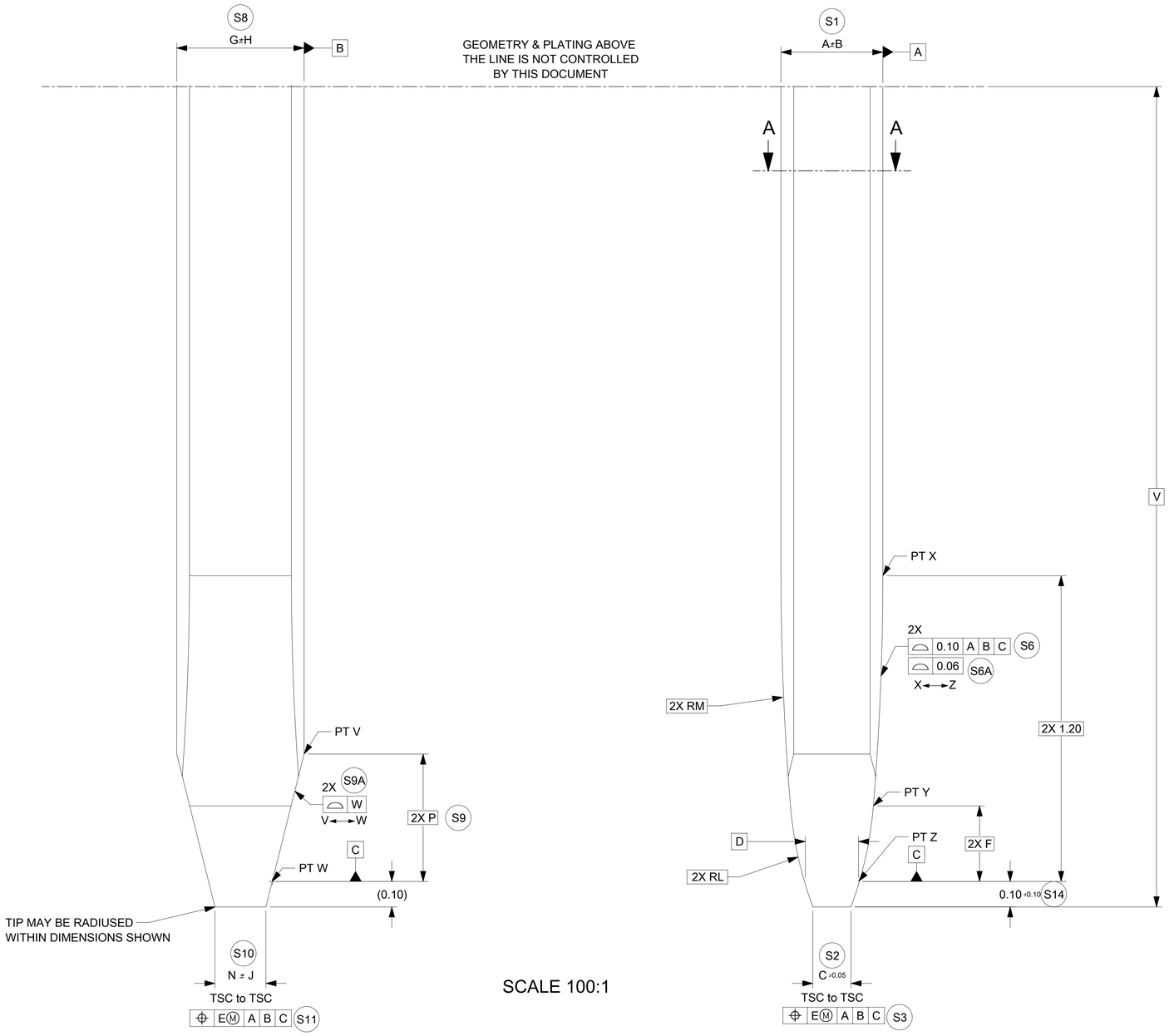
DESIGN STANDARD
HEADER PIN & BLADE TIP GEOMETRY FOR MATING TO HARNESS TERMINALS

PRODUCT CUSTOMER DRAWING

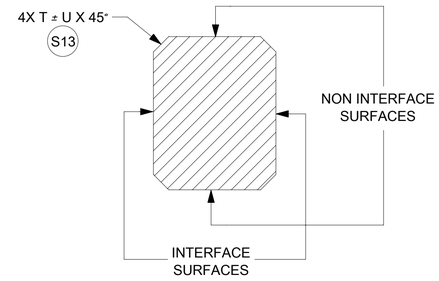
SERIES	MATERIAL NUMBER	CUSTOMER
34735		

DOCUMENT NUMBER	DOC TYPE	DOC PART	SHEET NUMBER
347350050	PSD	000	1 OF 2

RELEASE STATUS	P1	RELEASE DATE	2020/05/23 03:21:07



SCALE 100:1



SECTION A-A

TABLE 1		DRAWING DIMENSIONS																
Model NO.	Description	A	B	C	D	E	F	G	H	J	L	M	N	P	T	U	V	W
34735-0004	0.50mm BLADE	0.40	0.015	0.15	0.216	0.05	0.296	0.50	0.03	0.05	1.5	11	0.20	0.50	0.05	0.03	4.0 MIN	0.08
34735-0001	0.64mm BLADE NORMAL THICKNESS	0.64	0.03	0.25	0.356	0.10	0.285	0.64	0.03	0.05	1	7	0.25	0.55	0.05	0.03	5.5 MIN	0.08
34735-0002	0.64mm BLADE - REDUCED THICKNESS	0.625	0.015	0.234	0.341	0.10	0.285	0.64	0.03	0.05	1	7	0.25	0.55	0.05	0.03	5.5 MIN	0.08
34735-0006	1.20mm BLADE - HEADER	0.60	0.015	0.21	0.316	0.10	0.285	1.00	0.05	0.05	1	7	0.59	0.55	0.05	0.03	5.5 MIN	0.13
34735-0006	1.20mm BLADE - INLINE	0.60	0.015	0.21	0.316	0.10	0.285	1.20	0.05	0.05	1	7	0.59	0.55	0.05	0.03	5.5 MIN	0.13
34735-0003	1.50mm BLADE	0.80	0.03	0.25	0.321	0.10	1.10	1.50	0.05	0.10	4.775	1.083	0.5	1.68	0.05	0.03	5.0 MIN	0.13
34735-0010	2.8mm BLADE - HEADER	0.80	0.025	0.20	0.345	0.10	0.314	2.50	0.10	0.10	1	4	1.80	1.10	0.05	0.03	9.5 MIN	0.25
34735-0011	6.3mm BLADE - HEADER	0.80	0.025	0.20	0.345	0.10	0.314	6.0	0.25	0.20	1	4	3.90	1.10	0.05	0.03	10.5 MIN	0.13

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

EC NO: 638183
DRWN: SJAZRAWI 2020/05/20
CHK'D: YLEPOTTIER 2020/05/23
APPR: YLEPOTTIER 2020/05/23

GENERAL TOLERANCES (UNLESS SPECIFIED)

ANGULAR TOL ±	°
4 PLACES	±
3 PLACES	± 0.015
2 PLACES	± 0.05
1 PLACE	± 0.1
0 PLACES	±

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

REV A19

DIMENSION UNITS: mm
SCALE: 100:1
DRWN BY: SJAZRAWI DATE: 2016/08/16
CHK'D BY: DATE:
APPR BY: YLEPOTTIER DATE: 2016/09/27
DRAWING SIZE: A1
THIRD ANGLE PROJECTION

molex®

DESIGN STANDARD
HEADER PIN & BLADE TIP GEOMETRY FOR MATING TO HARNESS TERMINALS

PRODUCT CUSTOMER DRAWING

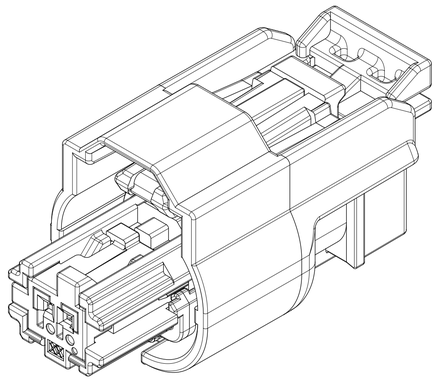
SERIES	MATERIAL NUMBER	CUSTOMER
34735		

DOCUMENT NUMBER	DOC TYPE	DOC PART	SHEET NUMBER
347350050	PSD	000	2 OF 2

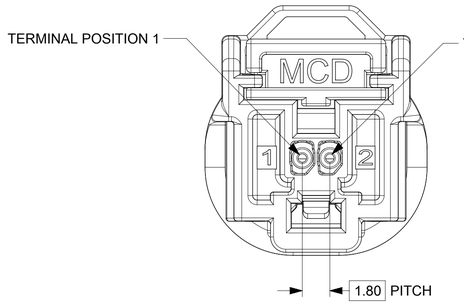
RELEASE STATUS	P1	RELEASE DATE	2020/05/23 03:21:07

TABLE OF CONTENTS	
SHEET NO.	SHEET DESCRIPTION
1	NOTES AND BOM
2	CONFIGURATIONS
3	RECEPTACLE CONNECTOR ASSEMBLY

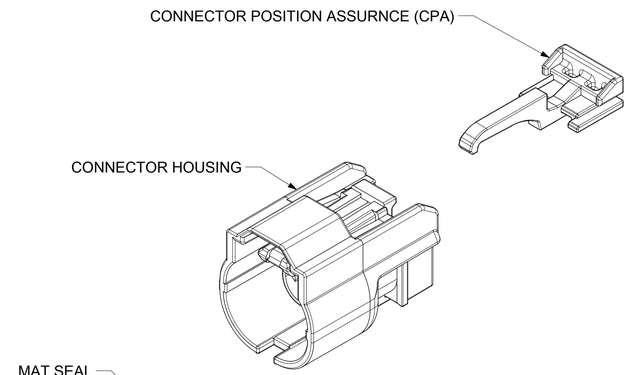
PART NUMBER AND MATING INTERFACE CHART				
PART NUMBER	KEY	COVER COLOR	CPA INCLUDED	INTERFACE PART NUMBER
349672001	A	BLACK	YES	349682801
349672002	B	LIGHT GRAY	YES	349682802
349672003	C	DARK GRAY	YES	349682803
349672004	D	STONE GRAY	YES	349682804
349672005	A	BLACK	NO	349682801
349672006	B	LIGHT GRAY	NO	349682802
349672007	C	DARK GRAY	NO	349682803
349672008	D	STONE GRAY	NO	349682804

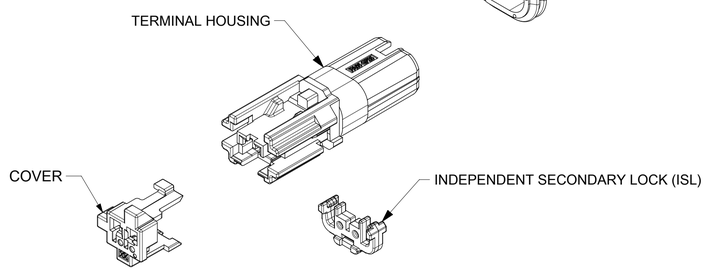


SCALE 5:1



SCALE 5:1





NOTES: VALID UNLESS OTHERWISE SPECIFIED

1. GENERAL:
A. APPLICATION SPECIFICATION SEE: AS-34894-0001
-CONTAINS: PRODUCT INTRODUCTION, PRODUCT SUMMARY, CONNECTOR ASSEMBLY, PACKAGING INFORMATION, CONNECTOR MATING, SERVICE INSTRUCTIONS, ELECTRICAL CONTINUITY CHECKING, CRIMPING, AND TROUBLESHOOTING.
B. TERMINALS TO BE USED WITH THIS ASSEMBLY:
MOLEX CTX50 SEALED RECEPTACLE TERMINALS
FOR INFORMATION ON TERMINALS SEE MOLEX DRAWING 349050400 AND TERMINAL PRODUCT SPECIFICATION PS-34905-001.
C. CONNECTOR PRODUCT SPECIFICATION SEE 349670001 PS
CONTAINS: PRODUCT INTRODUCTION, PRODUCT SUMMARY, RATINGS AND PRODUCT VALIDATION.
VALIDATED TO USCAR 2 REV 6.
RATINGS: T3 V1 S2
D. DESIGNED TO MATE WITH DEVICE INTERFACE AS SPECIFIED IN PART NUMBER AND INTERFACE CHART. SEE MOLEX DRAWING 349682800 FOR INTERFACE SPECIFICATION.
E. ASSEMBLY SHIPPED WITH ISL IN PRE-LOCK POSITION (SEE ISL PRE-LOCK VIEW SHEET 3).
F. PACKAGING SPECIFICATION PER MOLEX DRAWING: PK-31301-898
G. PARTS MUST BE IN COMPLIANCE TO MOLEX CHEMICAL SUBSTANCES FOR PRODUCTS AND PACKAGING SPECIFICATION: ES-40000-5016
H. DATA MUST BE SUBMITTED UNDER THE MOLEX PART NUMBER TO IMDS (COMPANY ID#13255)

2. DESIGN - MATERIALS:
CONNECTOR HOUSING: PA66, GF35, BLACK
TERMINAL HOUSING: PA66, GF35, BLACK
COVER: PA66, GF35, COLORS IN PART NUMBER CHART
ISL: SPS, GF30, NATURAL
MAT SEAL: INHERENTLY LUBRICATED SILICONE, ROYAL BLUE
RING SEAL: INHERENTLY LUBRICATED SILICONE, ROYAL BLUE
CPA (OPTIONAL): PBT, GF30, RED

3. DESIGN - GEOMETRY:
A. ALL GRAPHIC DATA IS BASIC (NO TOLERANCE) AND MUST BE TAKEN FROM THE DATA FILE AT ITS LATEST REVISION.
B. GEOMETRIC DIMENSIONS AND TOLERANCES PER ASME Y14.5-2009
C. EDGES AND UNDIMENSIONED DETAILS PER ISO13715
D. CORNERS SHOWN AS SHARP TO BE R 0.2 MAX.
E. LETTERING SHALL BE 0.15 MAX RAISED IN 0.25 MAX RECESS PAD. THIS INCLUDES RECYCLING CODE, CAVITY ID, VENDOR IDENTIFICATION, AND CUSTOMER MATERIAL NUMBER.
F. VISUAL DEFECTS SHALL MEET COSMETIC STANDARD PS-45499-002 (Class B).
G. PARTS ARE LASER MARKED WITH PART NUMBER AND DATE CODE

DOCUMENT STATUS	P1	RELEASE DATE	2019/02/28 21:35:58

SYMBOLS
A = 0
C = 0
F = 0
S = 0
= 0
C = 0
= 0
= 0
= 0

DIMENSION UNITS: mm
SCALE: 3:1
GENERAL TOLERANCES (UNLESS SPECIFIED)
ANGULAR TOL ± 3.0 °
4 PLACES ±
3 PLACES ±
2 PLACES ± 0.1
1 PLACE ± 0.2
0 PLACES ±
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC: REMOVED DEVELOPMENT NOTICE

EC NO: 612798
DRWN: MLI149 2019/02/25
CHK'D: JCONDON 2019/02/28
APPR: JCONDON 2019/02/28

INITIAL REVISION:
DRWN: MLI149 2017/05/10
APPR: JCONDON 2017/09/13

THIRD ANGLE PROJECTION
DRAWING: A1-SIZE
SERIES: 34967
MATERIAL NUMBER: SEE CHART
CUSTOMER:
SHEET NUMBER: 1 OF 3

molex

MINI50 SEALED 1X2 RCPT ASSY

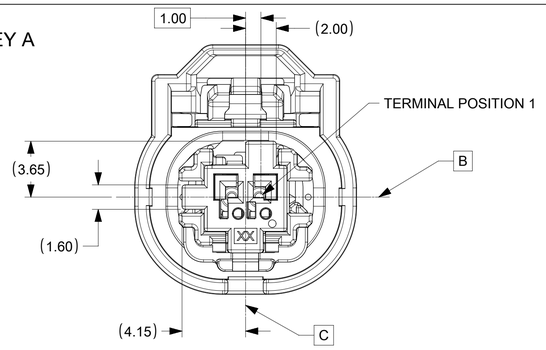
PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
349672000	PSD	000	A2

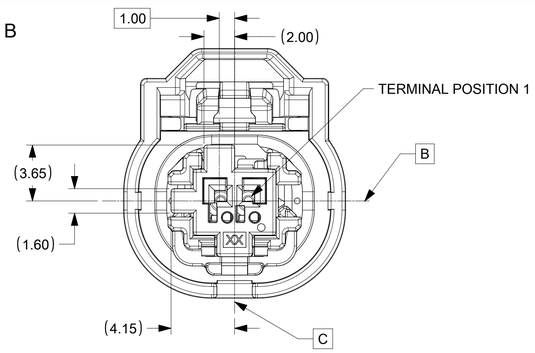
SHEET DESCRIPTION

KEY CONFIGURATIONS

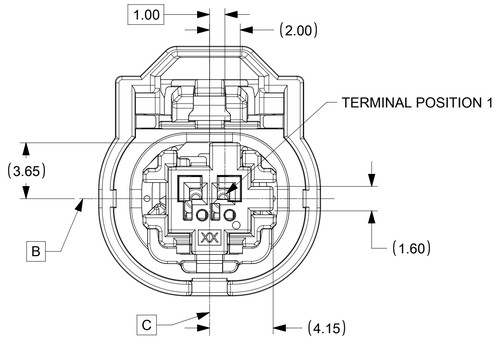
KEY A



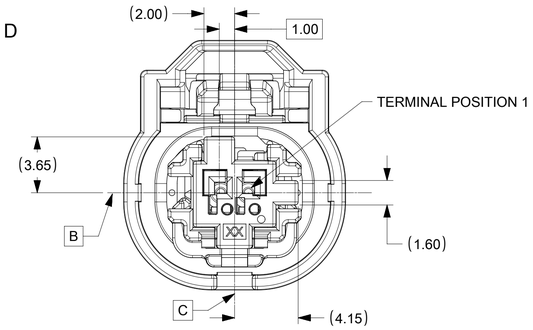
KEY B



KEY C



KEY D

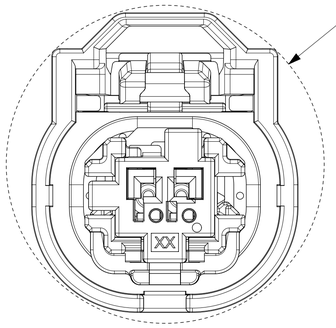


DOCUMENT STATUS	P1	RELEASE DATE	2019/02/28 21:35:58

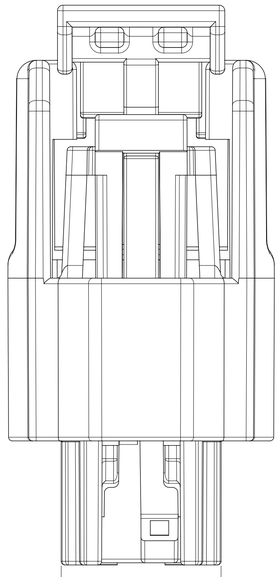
SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			
A = 0	DIMENSION UNITS: mm	SCALE: 5:1	CURRENT REV DESC: REMOVED DEVELOPMENT NOTICE	molex
B = 0	GENERAL TOLERANCES (UNLESS SPECIFIED)			
C = 0	ANGULAR TOL ± 3.0 °		EC NO: 612798	MINI50 SEALED 1X2 RCPT ASSY
D = 0	4 PLACES ±		DRWN: MLI149 2019/02/25	
E = 0	3 PLACES ±		CHK'D: JCONDON 2019/02/28	PRODUCT CUSTOMER DRAWING
F = 0	2 PLACES ± 0.1		APPR: JCONDON 2019/02/28	
G = 0	1 PLACE ± 0.2		INITIAL REVISION:	DOCUMENT NUMBER: 349672000 / DOC TYPE: PSD / DOC PART: 000 / REVISION: A2
H = 0	0 PLACES ±		DRWN: MLI149 2017/05/10	
J = 0	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		APPR: JCONDON 2017/09/13	
K = 0	THIRD ANGLE PROJECTION	DRAWING: A1-SIZE	SERIES: 34967	MATERIAL NUMBER: SEE CHART / CUSTOMER / SHEET NUMBER: 2 OF 3

SHEET DESCRIPTION

RECEPTACLE CONNECTOR ASSEMBLY

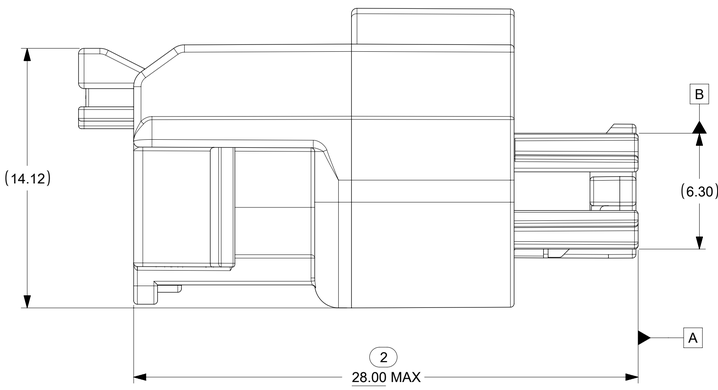


(1) ∅17.80
MIN PASS-THRU
WITH NO CLEARANCE



(8.70)

C



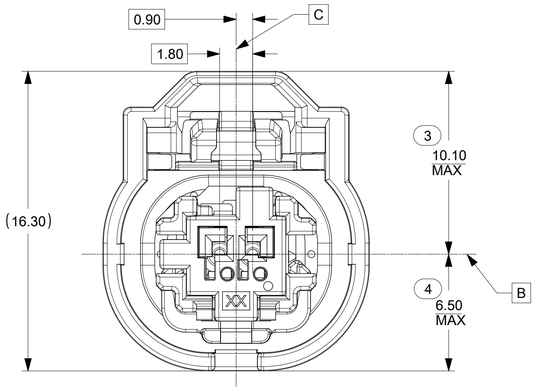
(14.12)

(6.30)

B

A

(2) 28.00 MAX



0.90

1.80

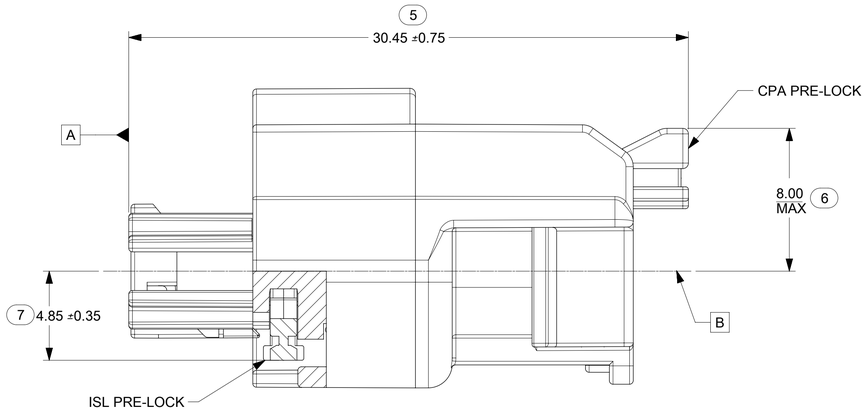
C

(16.30)

(3) 10.10 MAX

(4) 6.50 MAX

B



(5) 30.45 ±0.75

CPA PRE-LOCK

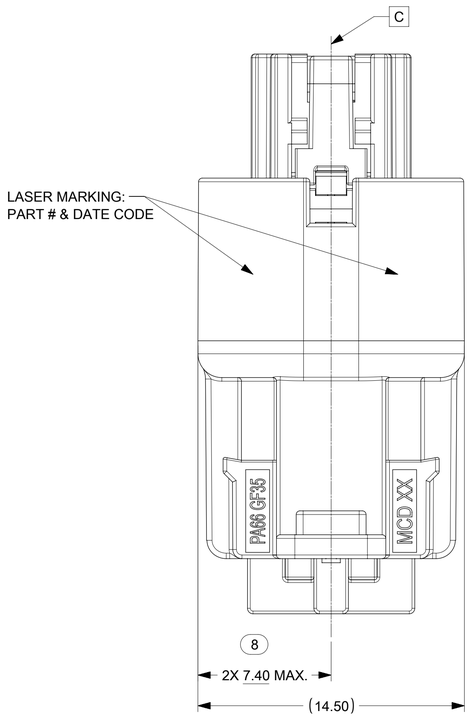
A

8.00 MAX (6)

(7) 4.85 ±0.35

B

ISL PRE-LOCK



C

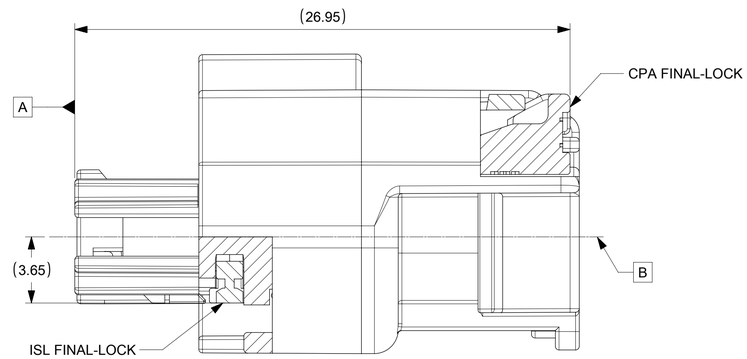
LASER MARKING:
PART # & DATE CODE

PA66 GF35

MCD XX

(8) 2X 7.40 MAX.

(14.50)



(26.95)

CPA FINAL-LOCK

A

(3.65)

B

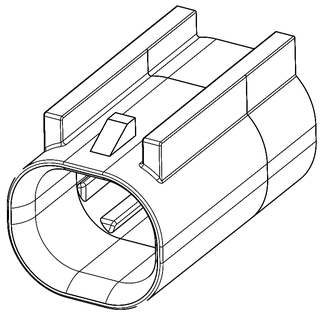
ISL FINAL-LOCK

SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			
= 0	DIMENSION UNITS: mm	SCALE: 6:1	CURRENT REV DESC: REMOVED DEVELOPMENT NOTICE	molex
= 0	GENERAL TOLERANCES (UNLESS SPECIFIED)			
= 0	ANGULAR TOL ± 3.0 °		EC NO: 612798	MINI50 SEALED 1X2 RCPT ASSY
= 0	4 PLACES ±		DRWN: MLI149 2019/02/25	
= 0	3 PLACES ±		CHK'D: JCONDON 2019/02/28	PRODUCT CUSTOMER DRAWING
= 0	2 PLACES ± 0.1		APPR: JCONDON 2019/02/28	
= 0	1 PLACE ± 0.2		INITIAL REVISION:	DOCUMENT NUMBER: 349672000 / DOC TYPE: PSD / DOC PART: 000 / REVISION: A2
= 0	0 PLACES ±		DRWN: MLI149 2017/05/10	
= 0	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		APPR: JCONDON 2017/09/13	
= 0	THIRD ANGLE PROJECTION	DRAWING: A1-SIZE	SERIES: 34967	MATERIAL NUMBER: SEE CHART / CUSTOMER / SHEET NUMBER: 3 OF 3

DOCUMENT STATUS	P1	RELEASE DATE	2019/02/28 21:35:58

TABLE OF CONTENTS	
SHEET NO.	SHEET DESCRITION
1	INTERFACE NOTES AND BOM
2	INTERFACE KEY CONFIGURATIONS
3	INTERFACE DEFINITION
4	INTERFACE DATUM TARGETS

MATING INTERFACE CHART			
DESCRIPTION	COLOR	MODEL NUMBER	KEY
1X2, KEY A, BLACK	BLACK	349682801	A
1X2, KEY B, LIGHT GRAY	LIGHT GRAY	349682802	B
1X2, KEY C, DARK GRAY	DARK GRAY	349682803	C
1X2, KEY D, STONE GRAY	STONE GRAY	349682804	D



NOTES: VALID UNLESS OTHERWISE SPECIFIED

1. GENERAL:

REFER TO "SAE/USCAR 12 CONNECTOR GUIDELINES" AND "SAE/USCAR 2 PERFORMANCE SPECIFICATION FOR AUTOMOTIVE ELECTRICAL CONNECTOR SYSTEMS" FOR ADDITIONAL REQUIREMENTS.

2. DESIGN - MATERIALS:

a. HOUSING: SPS/NYLON 20% GLASS FILLED OR EQUIVALENT
FLAMMABILITY REQUIREMENT: PER ISO3795 OR GMW3191
1. BURN RATE 100mm/MIN MAXIMUM
2. MATERIAL MUST BE SELF EXTINGUISHING

b. BLADE TERMINAL: SEE MOLEX SALES DRAWING 347350050. FOR MATERIAL, DIMENSIONAL, PLATING AND COATING REQUIREMENTS AND ANY BLADE TERMINAL DESIGN INFORMATION NOT SHOWN ON REFERENCED OR THIS DRAWING SEE EWCAP DWG NO. EWCAP-001.
1. TIN PLATING: 2.5-4.0 MICROMETERS MATTE TIN OVER 1.25-2.25 MICROMETERS DUCTILE SULFAMATE NICKEL
2. SILVER PLATING: 1.9-3.3 MICROMETERS SILVER OVER 1.0-1.8 MICROMETERS DUCTILE SULFAMATE NICKEL. ANTI-TARNISH: SYNTHETIC HYDROCARBON CONTACT SURFACE FINISH OR EQUIVALENT APPLIED WITHOUT VOID TO CONTACT AREA

c. STANDARD COLORS FOR KEYING (SEE CHART). DEVIATION REQUIRES APPROVAL OF AUTHORIZED PERSON.

3. DESIGN - GEOMETRY:

a. THE 3-D CAD DATA IS BASIC (WITHOUT TOLERANCE) AND THE MASTER FOR THIS PART WITH THE EXCEPTION OF UNDERLINED DIMENSIONS. DIMENSIONAL INFORMATION NOT SHOWN IN THIS DRAWING IS DEFINED BY THE DATA FILE AT ITS LATEST REVISION.
b. PRODUCT DESIGN MODEL NUMBER(S): SEE MATING INTERFACE CHART
c. GEOMETRIC DIMENSIONS AND TOLERANCES PER ASME Y14.5-2009
d. GENERAL TOLERANCES: SEE TITLE BLOCK
e. EDGES AND UNDIMENSIONED DETAILS PER ISO13715
f. CORNERS SHOWN AS SHARP TO BE R0.2 MAX.
g. LETTERING SHALL BE 0.15 MAX RAISED IN 0.25 MAX RECESS PAD. THIS INCLUDES RECYCLING CODE, CAVITY ID, VENDOR IDENTIFICATION, AND CUSTOMER MATERIAL NUMBER. (FOR SMALL PARTS: LETTERING SHALL BE 0.10 MAX RAISED IN 0.15 MAX RECESS PAD)

4. DESIGN - MANUFACTURING:

a. ALLOWABLE FLASH MAX 0.20 HIGH BY MAX 0.13 THICK.
b. ALLOWABLE SPLIT/PARTING LINE MISMATCH 0.2 MAX.
c. EJECTOR PIN MARKS TO BE FLUSH TO 0.25 MAX DEPRESSED. LOCATION MUST BE APPROVED BY PRODUCT ENGINEERING. EJECTOR PIN MARKS NOT PERMISSIBLE ON OR NEAR DATUM TARGET AREA.
d. ALLOWABLE GATE VESTIGE FLUSH TO 0.25 MAX RECESS. LOCATION MUST BE APPROVED BY PRODUCT ENGINEERING.
e. NO EXTERNAL MOLD RELEASE AGENT ALLOWED DURING MANUFACTURING.
f. NO PARTING LINES, MISMATCHES OR EJECTOR MARKS PERMISSIBLE WITHIN THE INDICATED SURFACE. TOOLING FOR INDICATED SURFACE MUST BE PROCESSED TO A SURFACE FINISH OF NTMA #70 (400 PAPER).
g. BLADE TERMINAL ENVIRONMENTAL BARRIER (USED WITH SILVER PLATED TERMINALS) SHALL NOT BE PRESENT ON ANY SURFACE OTHER THAN THE BLADE TERMINALS
h. NO PARTING LINES, FLASH, MISMATCHES OR EJECTOR MARKS PERMISSIBLE ON THE INDICATED NOSE SURFACE OR TRANSITION TO INTERNAL SHROUD SURFACE.

NOTICE:
PRODUCT IN DEVELOPMENT & SUBJECT TO CHANGE WITHOUT NOTIFICATION

QUALITY SYMBOLS
FA = 0
FC = 0
FP = 0
▼ = 0
C = 0
☒ = 0
■ = 0
C = 0

EC NO: 122249 2017/09/20
DRWN: MLI149 2017/09/22
CHK'D:
APPR: JCONDON
REV A1

GENERAL TOLERANCES (UNLESS SPECIFIED)

ANGULAR TOL ± 3.0 °	
4 PLACES	±
3 PLACES	±
2 PLACES	± 0.1
1 PLACE	± 0.2
0 PLACES	±

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION UNITS: mm
SCALE: 10:1
DRWN BY: MLI149 DATE: 2017/05/08
CHK'D BY: CHKD BY DATE:
APPR BY: JCONDON DATE: 2017/09/13
DRAWING SIZE: A1
THIRD ANGLE PROJECTION

molex®

MINI50 SEALED 1X2 HEADER INTERFACE

PRODUCT CUSTOMER DRAWING

SERIES	MATERIAL NUMBER	CUSTOMER
34968	SEE CHART	

DOCUMENT NUMBER	DOC TYPE	DOC PART	SHEET NUMBER
349682800	PSD	000	1 OF 4

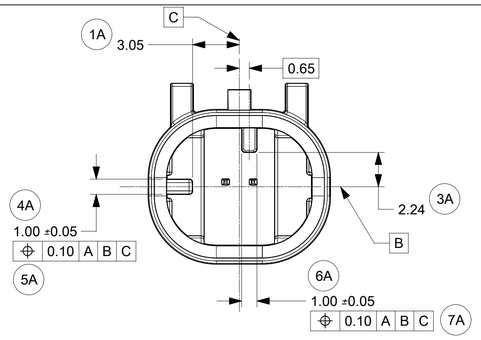
RELEASE STATUS	P1	RELEASE DATE	22.09.2017 17:45:44

FORMAT: Bgrid-A1
TEMPLATE: A1
DATE: 2017/05/08

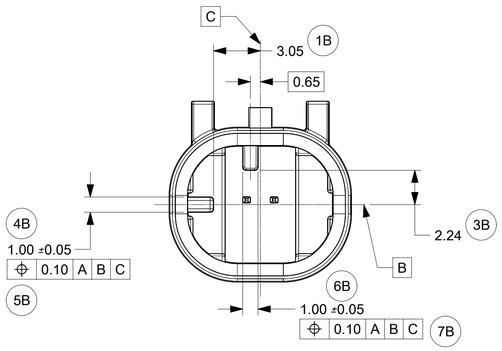
SHEET DESCRIPTION

KEY CONFIGURATIONS

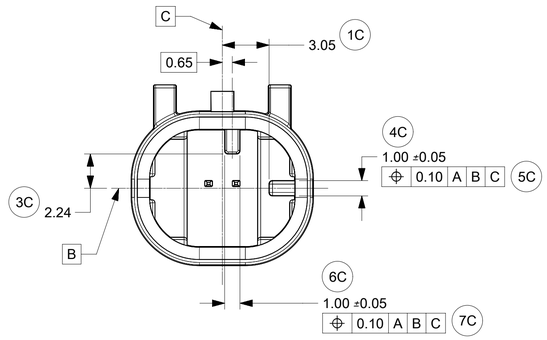
1X2



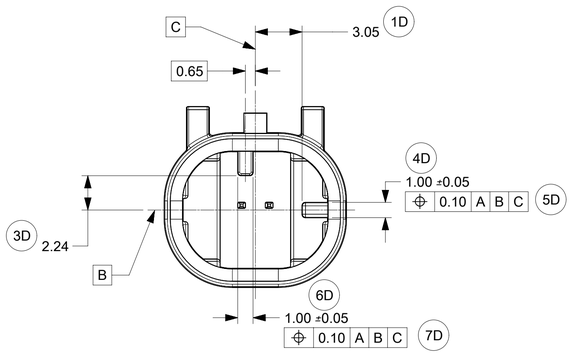
KEY OPTION A



KEY OPTION B



KEY OPTION C



KEY OPTION D

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

EC NO: 122249
DRWN: MLI149 2017/09/20
CHK'D:
APPR: JCONDON 2017/09/22

REV: A1

GENERAL TOLERANCES (UNLESS SPECIFIED)

ANGULAR TOL ±	3.0	°
4 PLACES	±	
3 PLACES	±	
2 PLACES	±	0.1
1 PLACE	±	0.2
0 PLACES	±	

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION UNITS: mm
SCALE: 5:1
DRWN BY: MLI149 DATE: 2017/05/08
CHK'D BY: CHKD BY DATE:
APPR BY: JCONDON DATE: 2017/09/13
DRAWING SIZE: A1
THIRD ANGLE PROJECTION

molex®

MINI50 SEALED 1X2 HEADER INTERFACE

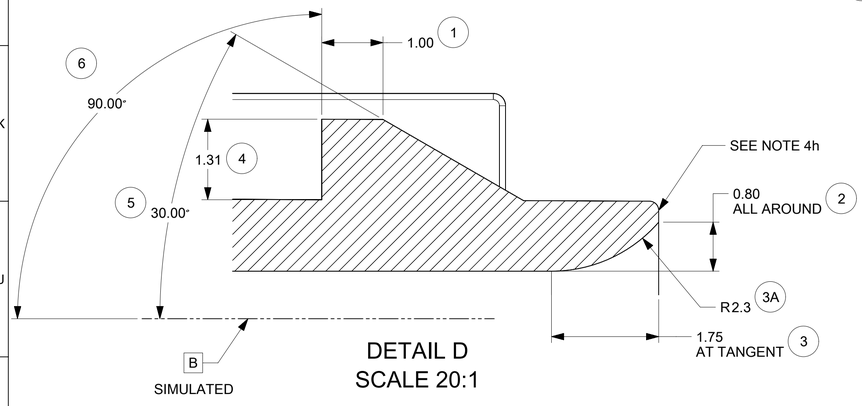
PRODUCT CUSTOMER DRAWING

SERIES	MATERIAL NUMBER	CUSTOMER
34968	SEE CHART	

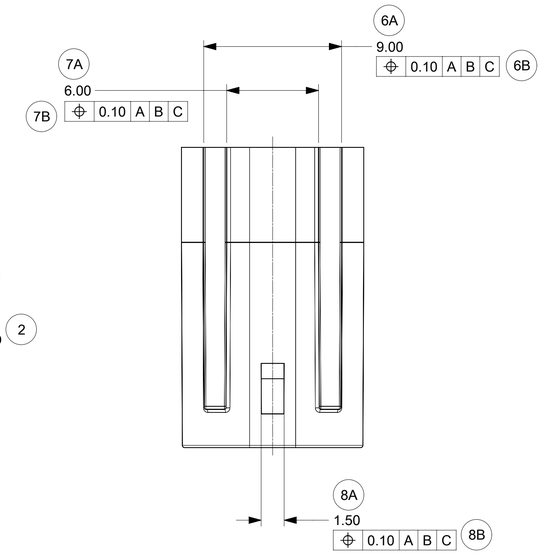
DOCUMENT NUMBER	DOC TYPE	DOC PART	SHEET NUMBER
349682800	PSD	000	2 OF 4

RELEASE STATUS	P1	RELEASE DATE	22.09.2017 17:45:44

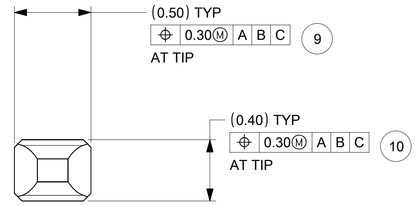
Created with Creo Parametric
REVISION: G
DATE: 2017/09/06



DETAIL D
SCALE 20:1

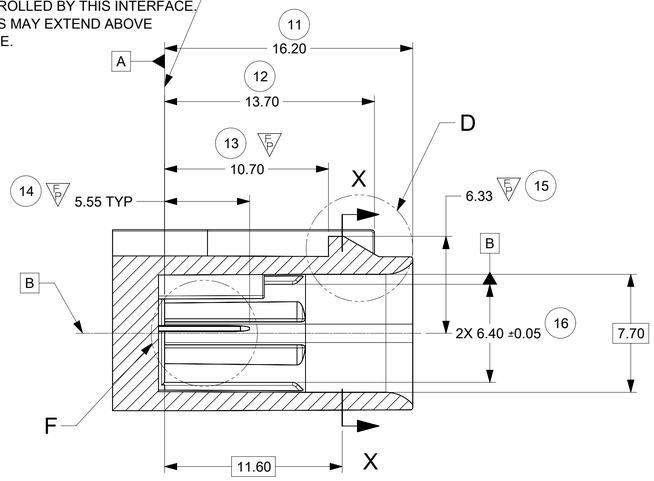


SEE NOTE 2b
REFER TO MOLEX SALES DWG 347350050
AND EWCAP DWG. NO. EWCAP-001 REV. P 050-T001
0.50 TERMINAL BLADE CONFIGURATION

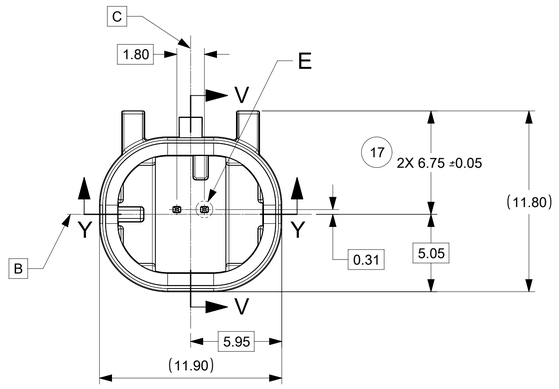


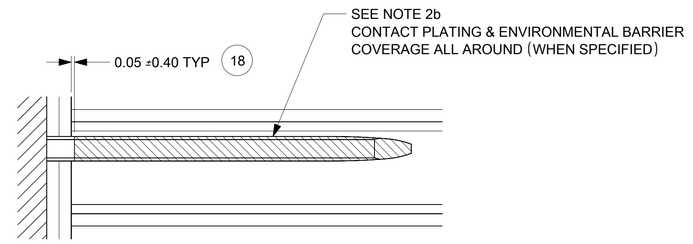
DETAIL E
SCALE 50:1

CONSTRUCTION BELOW THIS SURFACE
IS NOT CONTROLLED BY THIS INTERFACE.
NO FEATURES MAY EXTEND ABOVE
THIS SURFACE.

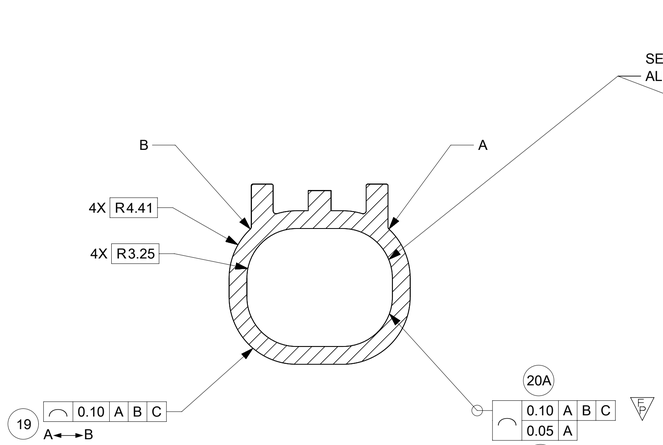


SECTION V-V

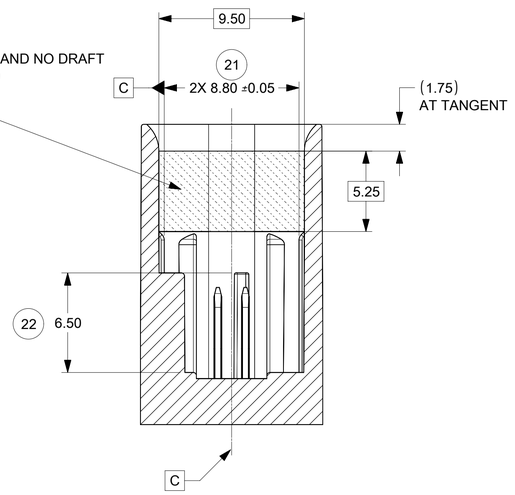




DETAIL F
SCALE 20:1



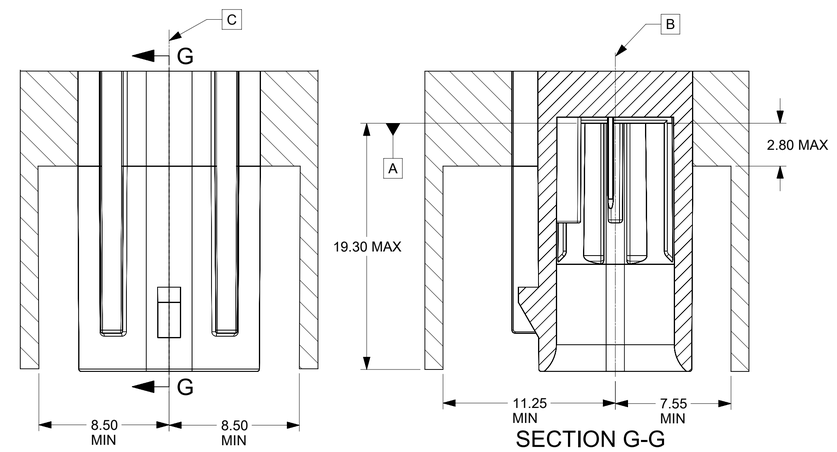
SECTION X-X



SECTION Y-Y

PACKAGING FRAME

IF HEADER IS RECESSED INTO A POCKET, THESE DIMENSIONS REPRESENT
THE MINIMUM CLEARANCE REQUIRED FOR THE MATING CONNECTOR SHROUD.



SECTION G-G

QUALITY SYMBOLS
E F V = 0
E F C = 0
E F P = 4
= 0
C = 0
= 0
= 0
C = 0

EC NO: 122249	2017/09/20	
DRWN: MLI149	2017/09/22	
CHK'D:		
APPR: JCONDON		
REV	A1	

GENERAL TOLERANCES (UNLESS SPECIFIED)

ANGULAR TOL ± 3.0 °	
4 PLACES	±
3 PLACES	±
2 PLACES	± 0.1
1 PLACE	± 0.2
0 PLACES	±

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION UNITS	SCALE
mm	5:1
DRWN BY	DATE
MLI149	2017/05/08
CHK'D BY	DATE
CHKD BY	
APPR BY	DATE
JCONDON	2017/09/13
DRAWING SIZE	THIRD ANGLE PROJECTION
A1	

molex®

MINI50 SEALED 1X2 HEADER INTERFACE

PRODUCT CUSTOMER DRAWING

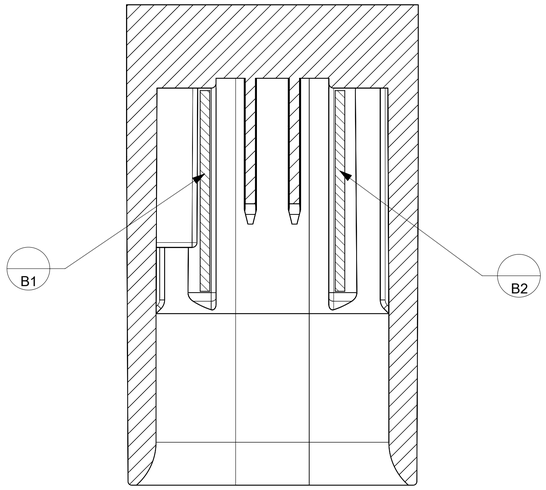
SERIES	MATERIAL NUMBER	CUSTOMER
34968	SEE CHART	

DOCUMENT NUMBER	DOC TYPE	DOC PART	SHEET NUMBER
349682800	PSD	000	3 OF 4

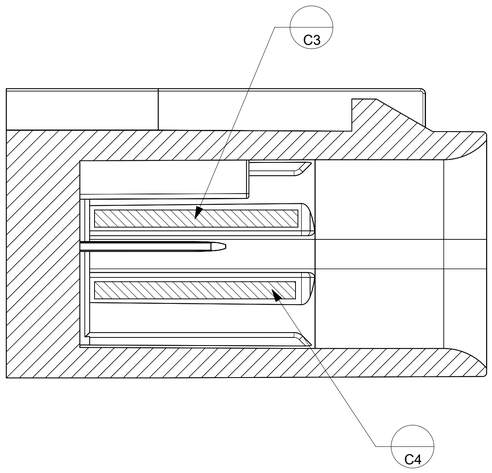
RELEASE STATUS	P1	RELEASE DATE	22.09.2017 17:45:44

SHEET DESCRIPTION

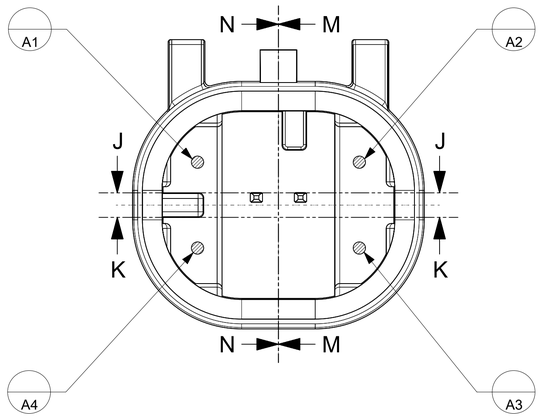
DATUM TARGETS

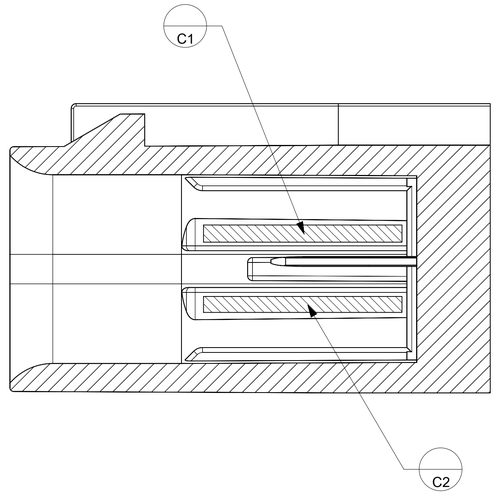


SECTION J-J

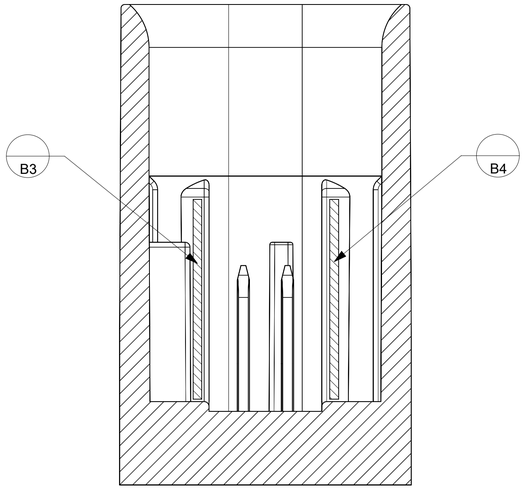


SECTION N-N





SECTION M-M



SECTION K-K

QUALITY SYMBOLS	
A	= 0
C	= 0
P	= 0
	= 0
C	= 0
	= 0
	= 0
C	= 0

EC NO: 122249 2017/09/20
DRWN: MLI149 2017/09/22
CHK'D:
APPR: JCONDON

GENERAL TOLERANCES (UNLESS SPECIFIED)

ANGULAR TOL ± 3.0 °	
4 PLACES	±
3 PLACES	±
2 PLACES	± 0.1
1 PLACE	± 0.2
0 PLACES	±

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

REV: A1

DIMENSION UNITS	mm
SCALE	10:1
DRWN BY	MLI149
DATE	2017/05/08
CHK'D BY	CHKD BY
DATE	
APPR BY	JCONDON
DATE	2017/09/13
DRAWING SIZE	A1
THIRD ANGLE PROJECTION	

molex®

MINI50 SEALED 1X2 HEADER INTERFACE

PRODUCT CUSTOMER DRAWING

SERIES	MATERIAL NUMBER	CUSTOMER
34968	SEE CHART	

DOCUMENT NUMBER	DOC TYPE	DOC PART	SHEET NUMBER
349682800	PSD	000	4 OF 4

RELEASE STATUS	P1	RELEASE DATE	22.09.2017 17:45:44