

С																										
		TABLE 1							_			DRAW		IENSIC	ONS					_						
	Model NO.	Description	Application	A	В	С	D	E	F	G	н	J	L	М	N	Р	Q	R	Т	U	V	W			L THIS DRAWING CONTAINS INFO	ORMATION TH
	34735-0004_FM_000	0.50mm BLADE	HEADER	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	0.10	0.06	0.05	0.03	4.0 MIN	0.08			mm 100:1	
	34735-0001_FM_000	0.64mm BLADE NORMAL THICKNESS	HEADER	0.64	0.03	0.25	0.356	0.10	0.285	0.64	0.03	0.05	1	7	0.25	0.55	0.10	0.06	0.05	0.03	5.5 MIN	0.08			GENERAL TOLERANCES (UNLESS SPECIFIED)	
в	34735-0002_FM_000	0.64mm BLADE - REDUCED THICKNESS	HEADER	0.625	0.015	0.234	0.341	0.10	0.285	0.64	0.03	0.05	1	7	0.25	0.55	0.10	0.06	0.05	0.03	5.5 MIN	0.08			ANGULAR TOL ± 0.5 °	PHASE: E
	34735-0006_FM_000	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	0.10	0.06	0.05	0.03	5.5 MIN	0.13		v	4 PLACES ± 0.00000	EC NO: C DRWN: F
	34735-0003_FM_000	1.50mm BLADE	HEADER	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	0.10	0.06	0.05	0.03	5.0 MIN	0.13		DIVISIONAL SYMBOLS		CHK'D: N APPR: D
	34735-0010_FM_000	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	0.15	0.06	0.06	0.05	9.5 MIN	0.25				INITIAL F
	34735-0011_FM_000	6.3mm BLADE	HEADER	0.80	0.025	0.31	0.345	0.10	0.314	6.0	0.25	0.20	1	4	3.90	1.10	0.15	0.06	0.06	0.05	10.5 MIN	0.13				DRWN: R APPR: D
A	34735-0012_FM_000	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	0.10	0.06	N/A	N/A	5.5 MIN	0.13			DRAFT WHERE APPLICABLE	THIRD ANGL
				I			II		1	· · · · · · · · · · · · · · · · · · ·		_1								1					MUST REMAIN WITHIN DIMENSIONS	\bigcirc
	FORMAT: TC-Hb-prod-A1 REVISION: A DATE: 202108/11 10	17 16	15			14			13			12			11			10			9		8	7	6	

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ESC: Prode 00050 endra Song		2022-01-31 2022-02-07 -	HEADER PIN	DES & BLAD TO HAR	NESS TER	DARD METRY F MINALS		ATING	B
Patil ON: endra Patil	MV DRAWING A1-SIZE	2022-02-09 2022-01-31 2022-02-09 SERIES	DOCUMENT NUMBER	3500	T SALES E		DOC PART	REVISION A21 NUMBER DF 2	A
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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:

17

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- 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.

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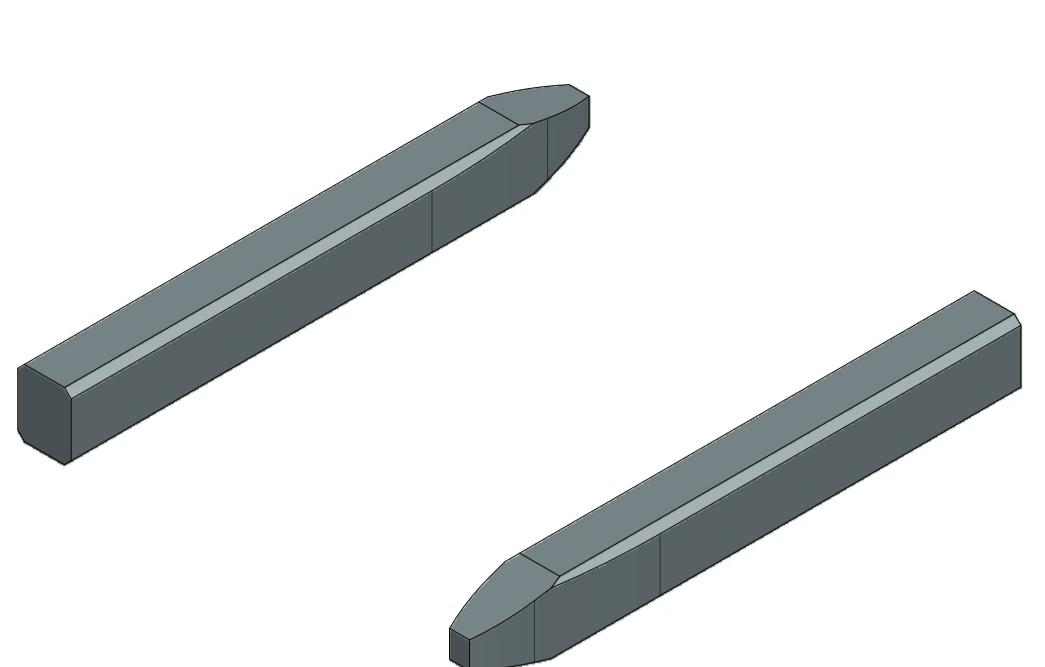
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SCALE 50:1

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TION	DRAWING	SERIE	ES	MATERIAL NUMBER		CUSTOMER		SHEET N	NUMBER	ſ				
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0.5 MM PIN VIEW SHOWN FOR REPRESENTATION PURPOSES ONLY

Г	18		17	16	15
		-	TABLE OF CO	ONTENTS	
	SHEET NO.		SHEET	DESCRIPTION	
	1		NOT	ES AND BOM	
	2		CON	FIGURATIONS	
	3		RECEPTACLE C	CONNECTOR ASS	SEMBLY

SCALE 5:1

13	12	11	10	9	8	7	6	5
		PART	NUMBER AN	ID MATING IN	TERFAC	E CHART		
PART NU	JMBER	KEY	CC	OVER COLOR	С	PA INCLUDED	INTERFAC	E PART NUMB
349672001		A		BLACK		YES	34	9682801
349672	2002	В	L	IGHT GRAY		YES	34	9682802
349672	2003	С	[DARK GRAY		YES	34	9682803
349672	2004	D	S	TONE GRAY		YES	34	9682804
349672	2005	A		BLACK		NO	34	9682801
349672	2006	В	L	IGHT GRAY		NO	34	9682802
349672	2007	С		DARK GRAY		NO	34	9682803
349672	2008	D	S	TONE GRAY		NO	34	9682804

NOTES: VALID UNLESS OTHERWISE SPECIFIED

14

1. GENERAL:

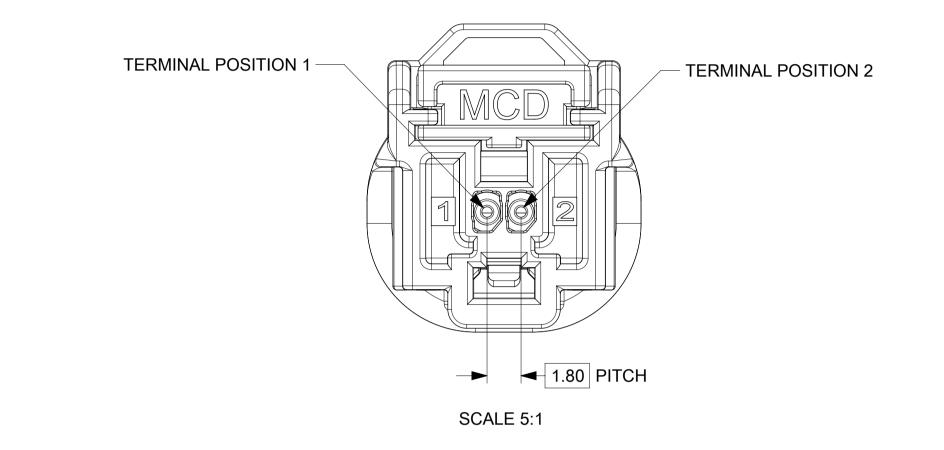
- A. APPLICATION SPECIFICATION SEE: AS-34894-0001 -CONTAINS: PRODUCT INTRODUCTION, PRODUCT SUMMARY, CONNECTOR ASSEMBLY, PACKAGING INFORMATION, CONNECTOR MATING, SERVICE INSTRUCTIONS, ELECTRICAL CONTINUITY CHECKING, CRIMPING, AND TROUBLESHOOTING.
- B. TERMINALS TO BE USED WITH THIS ASSEMBLY: MOLEX CTX50 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)

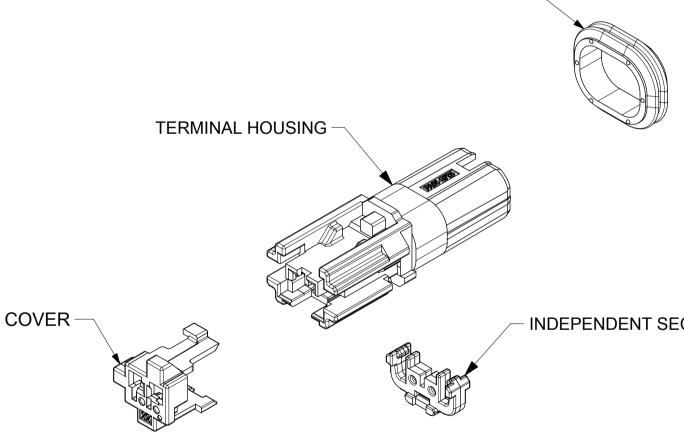
2. DESIGN - MATERIALS:

. DESIGN - WATERIALS.	
CONNECTOR HOUSING	: PA66, GF35, BLACK
TERMINAL HOUSING:	PA66, GF35, BLACK
COVER:	PA66, GF35, COLORS IN PART N
ISL:	SPS, GF30, NATURAL
MAT SEAL:	INHERENTLY LUBRICATED SILIC
RING SEAL:	INHERENTLY LUBRICATED SILIC
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			
FORMAT: master-tb-prod-A1 REVSION: H DATE: 2018/01/18 18	1	7 16		15	14	13	12





RING SEAL

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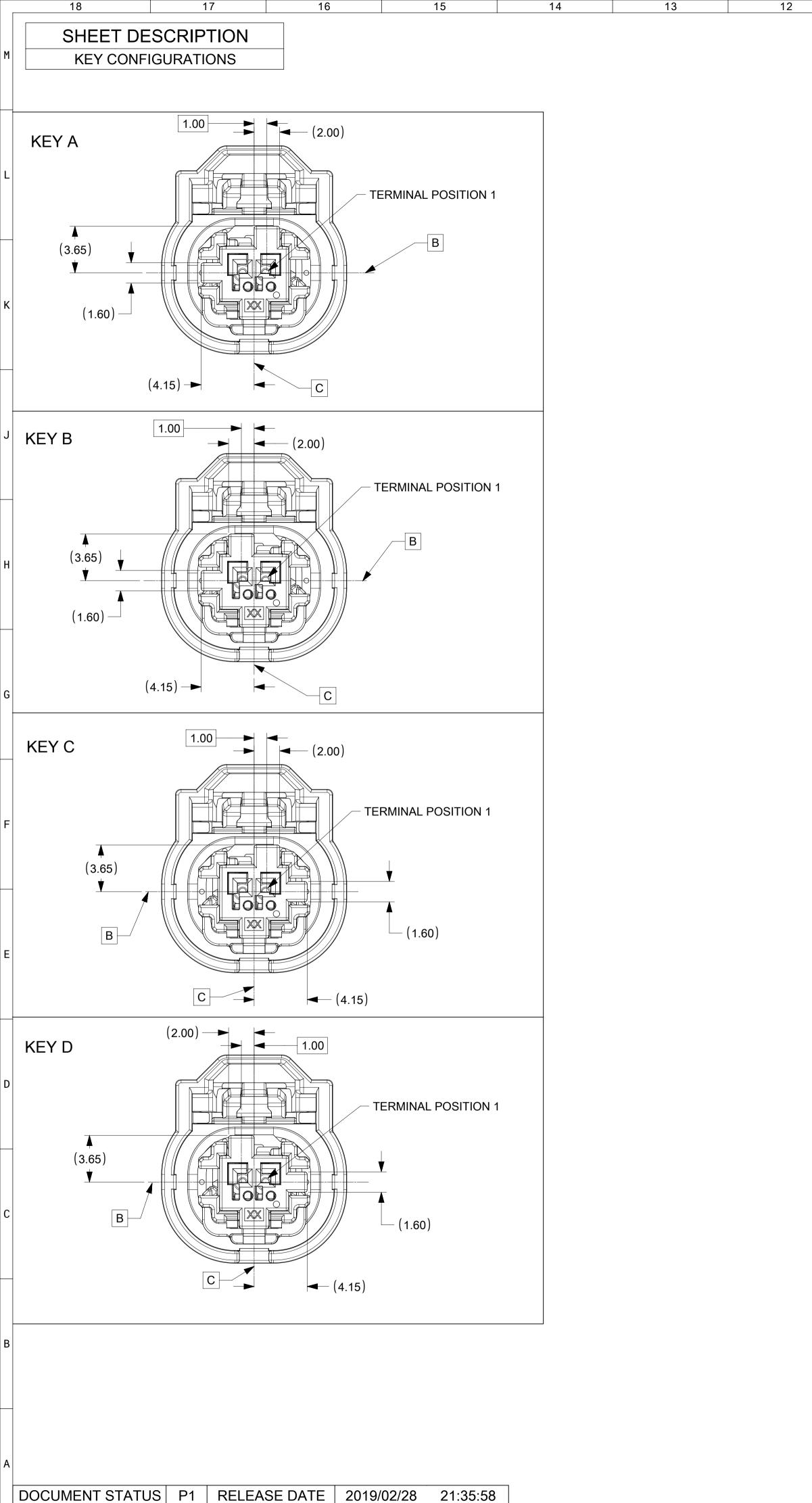
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5 A	1-SIZE	34967	SEE CHART	2	1 C	DF 3	

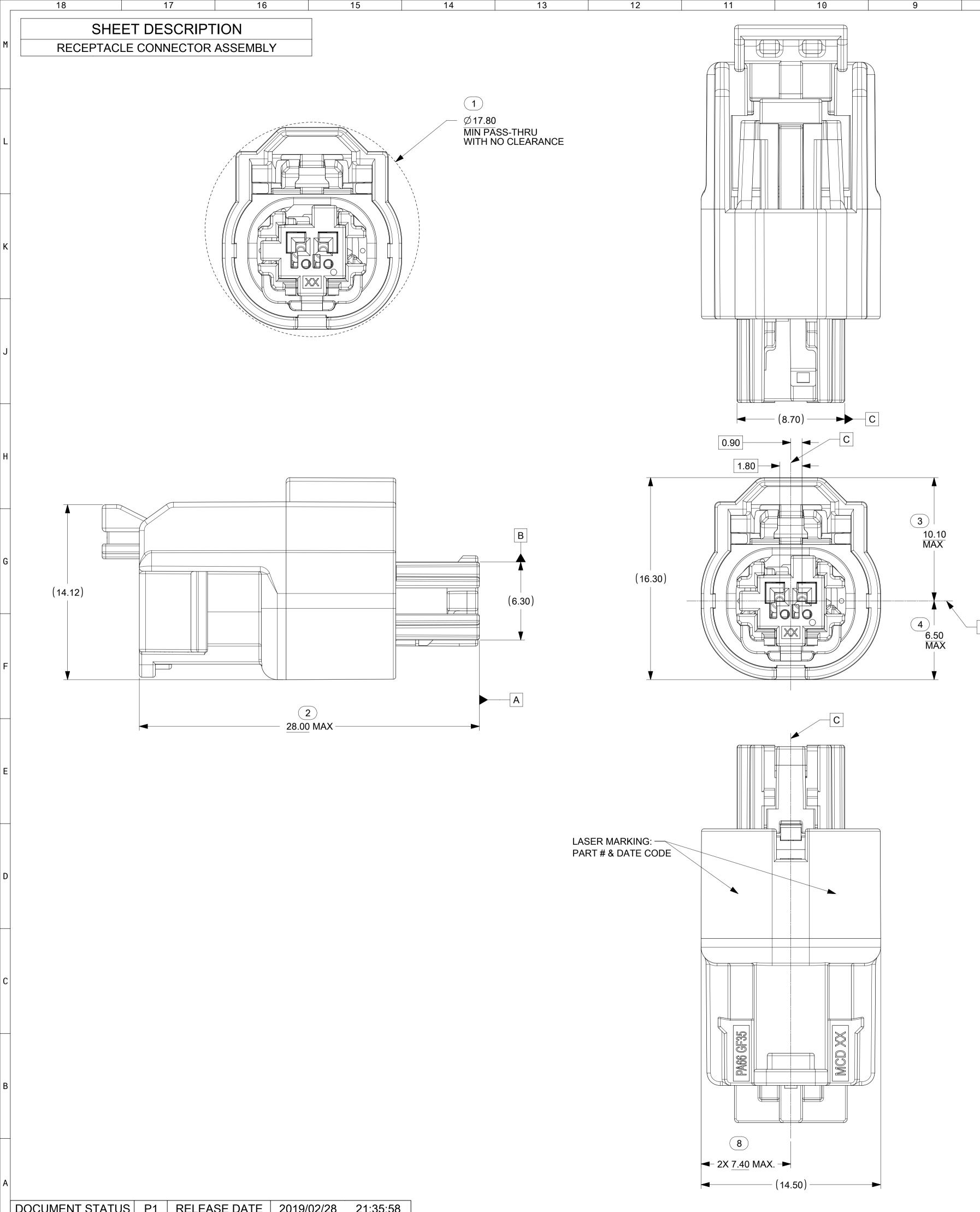


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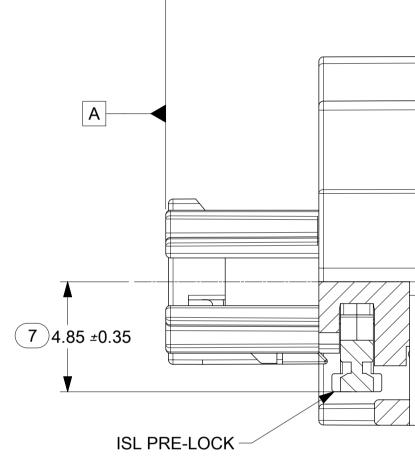
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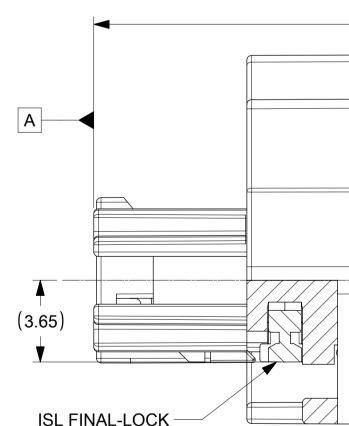
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FORMAT: master-tb-prod-A1 REVISION: H DATE: 201801/18 18	1	7	16		15	14	13	12



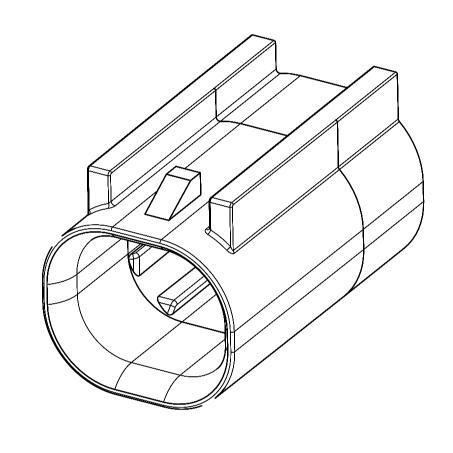


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Image: Series1 PLACE±0.2DRWN: MLI1492017/05/10Image: Series0 PLACES±APPR: JCONDON2017/09/13Image: Series0 DRAFT WHERE APPLICABLETHIRD ANGLE PROJECTIONDRAWINGSERIES	
Image: MUST REMAIN WITHIN DIMENSIONS 7 6 5 4	SEE CHART 3 OF 3 3 2 1

18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1
	TABLE OF C	ONTENTS												MAT	ING INTERFA	CE CHART	
SHEET NO.	SHEE	ET DESCRITION											DESCRIP	TION	COLOR	MODEL NUMBER	KEY
1	INTERFAC	CE NOTES AND BO	ОМ										1X2, KEY A,	BLACK	BLACK	349682801	A
2	INTERFACE A	KEY CONFIGURA	TIONS		NOTES: VAL	ID UNLESS OTHE	RWISE SPECIEIE	П					1X2, KEY B, LIG	GHT GRAY	LIGHT GRAY	349682802	В
3	INTERF	FACE DEFINITION											1X2, KEY C, DA	ARK GRAY	DARK GRAY	349682803	С
4	INTERFAC	CE DATUM TARGE	TS		1. GENERAL	.:							1X2, KEY D, STO	ONE GRAY	STONE GRAY	349682804	D
						D "SAE/USCAR 12 ATION FOR AUTO MENTS.											
					2. DESIGN -	MATERIALS:											

- 1. BURN RATE 100mm/MIN MAXIMUM 2. MATERIAL MUST BE SELF EXTINGUISHING
- OF AUTHORIZED PERSON.
- 3. DESIGN GEOMETRY:

- d. GENERAL TOLERANCES: SEE TITLE BLOCK
- f. CORNERS SHOWN AS SHARP TO BE R0.2 MAX.
- AND CUSTOMER MATERIAL NUMBER.
- 4. DESIGN MANUFACTURING:



RELEASE STATUS	P1	RELEASE DATE	2021/03/24 15:08:39	9			
FORMAT: Ib-prod-A1 REVISION: G DATE: 2017/02/06 18		17	16	15	14	13	12

a. HOUSING: SPS/NYLON 20% GLASS FILLED OR EQUIVALENT FLAMMABILITY REQUIREMENT: PER ISO3795 OR GMW3191

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 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

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 e. EDGES AND UNDIMENSIONED DETAILS PER ISO13715

g. LETTERING SHALL BE 0.15 MAX RAISED IN 0.25 MAX RECESS PAD.

THIS INCLUDES RECYCLING CODE, CAVITY ID, VENDOR IDENTIFICATION,

(FOR SMALL PARTS: LETTERING SHALL BE 0.10 MAX RAISED IN 0.15 MAX RECESS PAD)

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).

11

g. BLADE TERMINAL ENVIRONMENTAL BARRIER (USED WITH SILVER PLATED TERMINALS) SHALL NOT BE

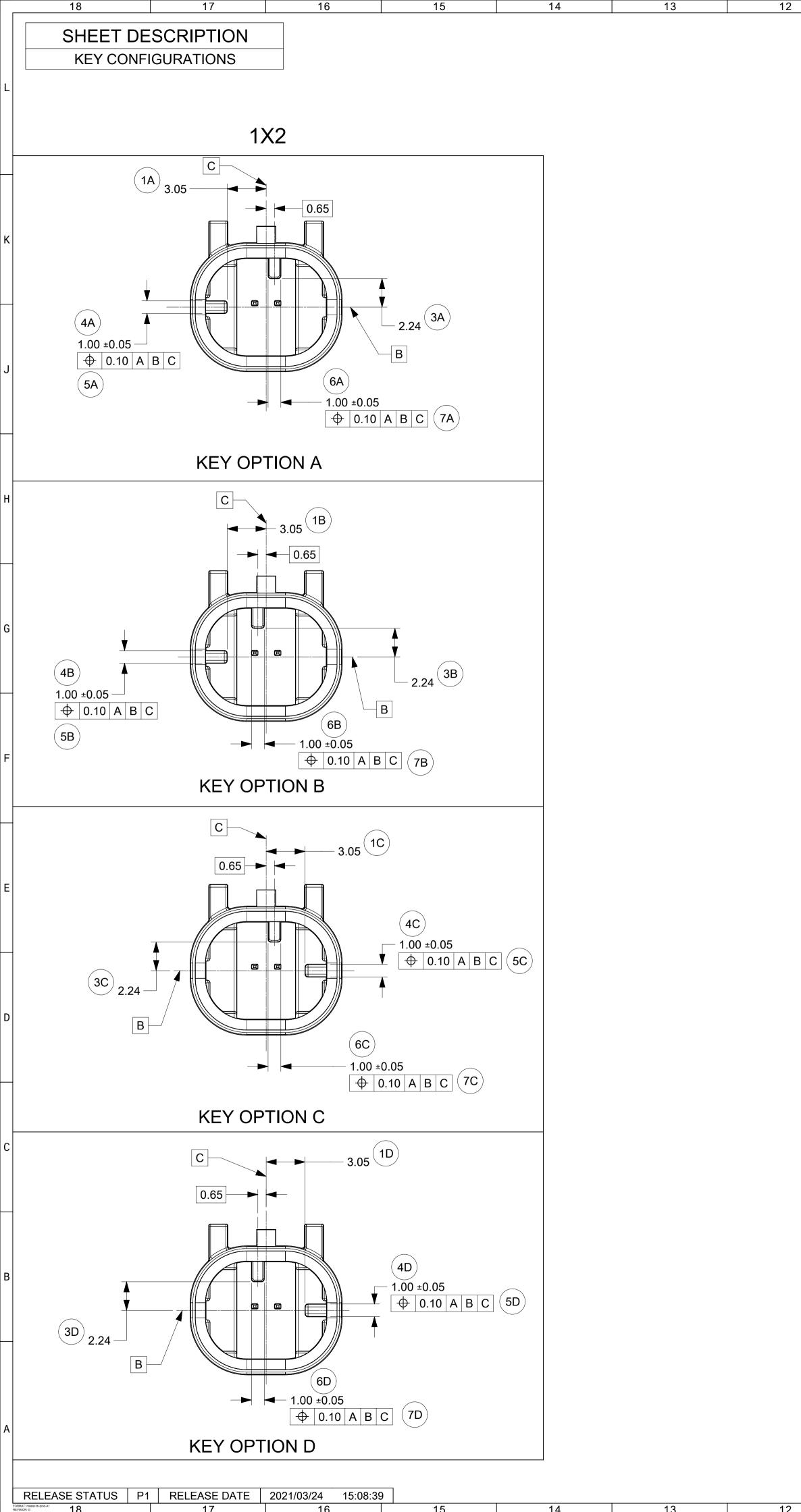
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PRESENT ON ANY SURFACE OTHER THAN THE BLADE TERMINALS

h. NO PARTING LINES, FLASH, MISMATCHES OR EJECTOR MARKS PERMISSIBLE ON

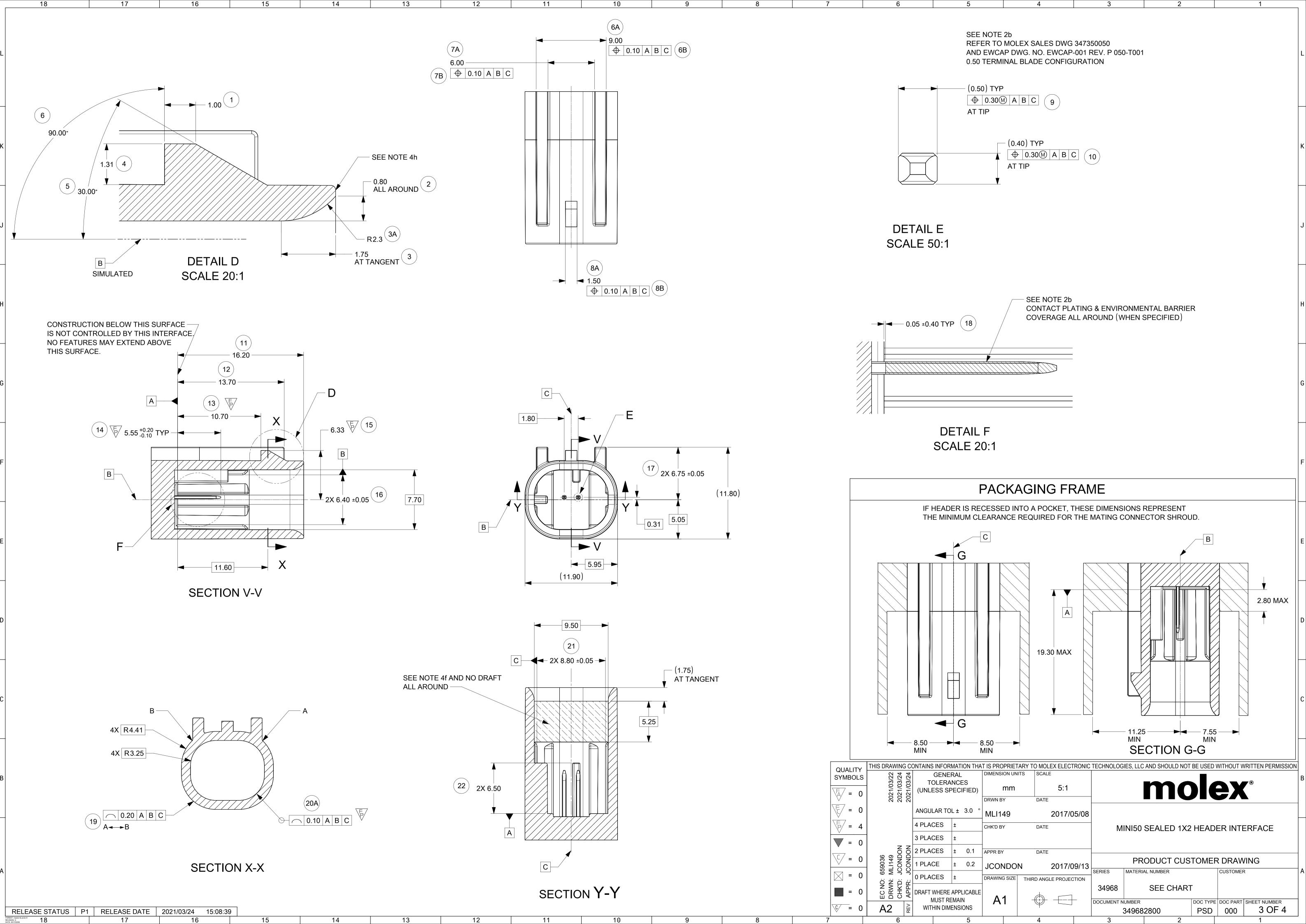
THE INDICATED NOSE SURFACE OR TRANSITION TO INTERNAL SHROUD SURFACE.

	QUAL	ITV			INFOR	MATION THA	T IS PRO	PRIETARY	TO MOLEX ELEC	TRONIC	TECHNOLOG	GIES, LLC	AND SHOULD NOT	BE USED	WITHOUT V	VRITTEN PERM	AISSION
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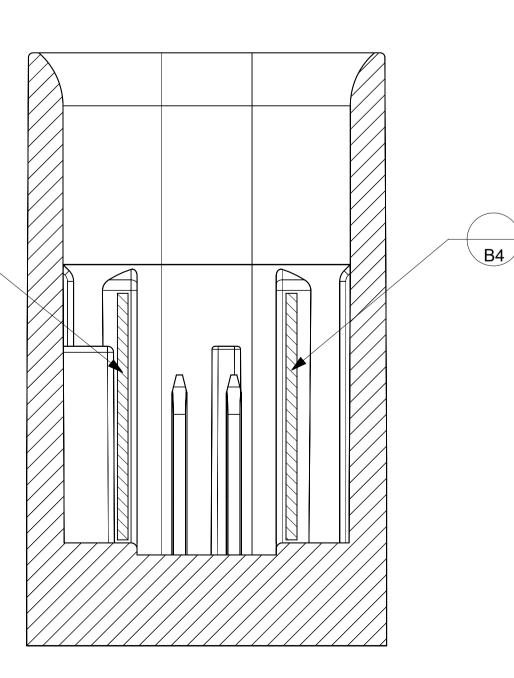
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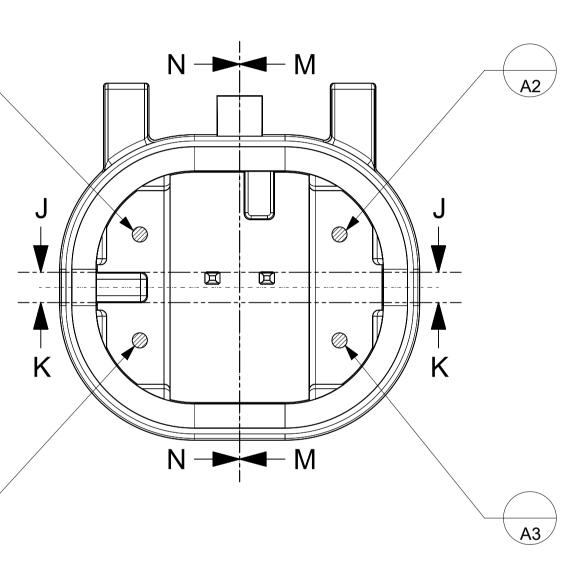
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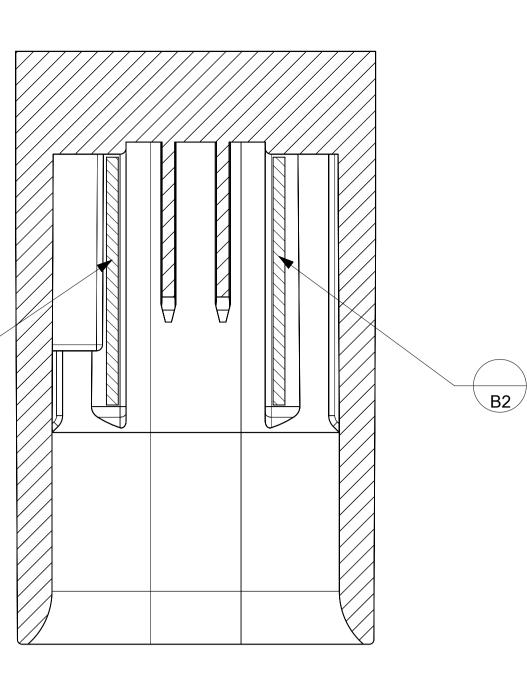
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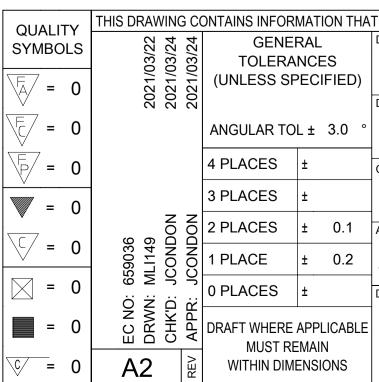


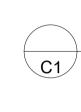




SECTION J-J







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

SECTION M-M

