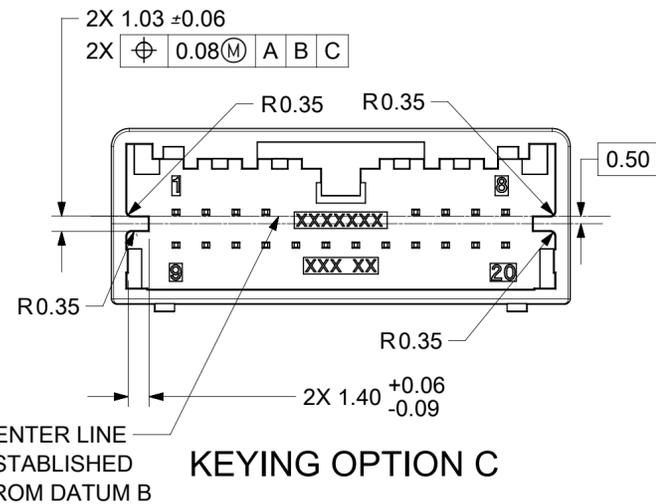


NOTES: UNLESS OTHERWISE SPECIFIED

1. DIMENSIONING AND TOLERANCING PER ASME Y14.5
2. 0.25 RADII MAX ON ALL CORNERS SHOWN SHARP.
3. ALL UNSPECIFIED RADII 0.25.
4. STANDARD COLORS FOR POLARIZATION (SEE CHART IN LEFT LOWER CORNER OF THE DRAWING SHEET).
5. REFER TO "SAE/USCAR 12 CONNECTOR DESIGN CRITERIA" FOR ADDITIONAL REQUIREMENTS.
6. EXCEPT WHERE NOTED, DRAFT ON OUTSIDE SURFACES IS PERMISSIBLE WITHIN TOLERANCE
7. SYMBOL INDICATES DRAFT DIRECTION.
8. FOR TERMINAL MATERIAL, DIMENSIONAL, AND COATING REQUIREMENTS SEE EWCAP 001 BLADE DRAWING.
10. DENOTES DIMENSION THAT MAY BE UTILIZED TO MONITOR PART QUALITY.
12. CONNECTOR LOCK OVERTRAVEL OF 0.15mm MINIMUM IS ALLOWED.
13. PROVIDE FOR A MINIMUM OF 0.7mm MINIMUM RSS TERMINAL ENGAGEMENT BEGINNING ON THE THIN BLADE SECTION BEYOND THE MALE TERMINAL COINED EDGE. THE MATING FEMALE CONNECTOR SHALL BE PULLED ALL THE WAY BACK IN THE HEADER CAVITY AND THE FEMALE TERMINAL SHALL BE PULLED ALL THE WAY BACK IN THE FEMALE CONNECTOR CAVITY.



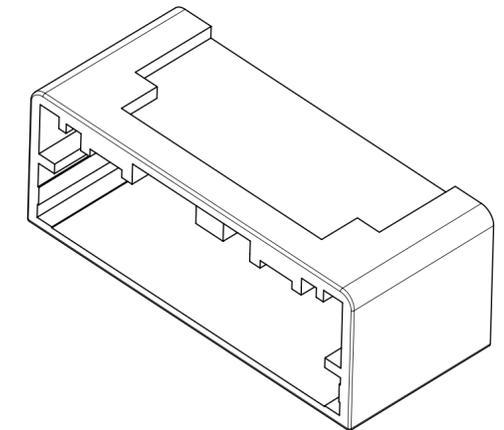
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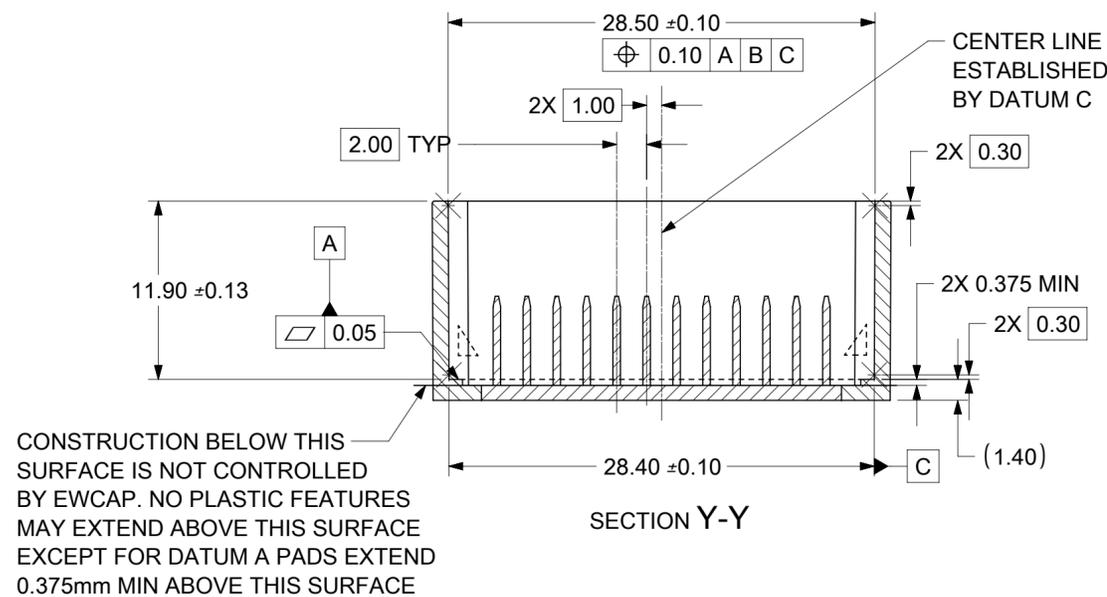
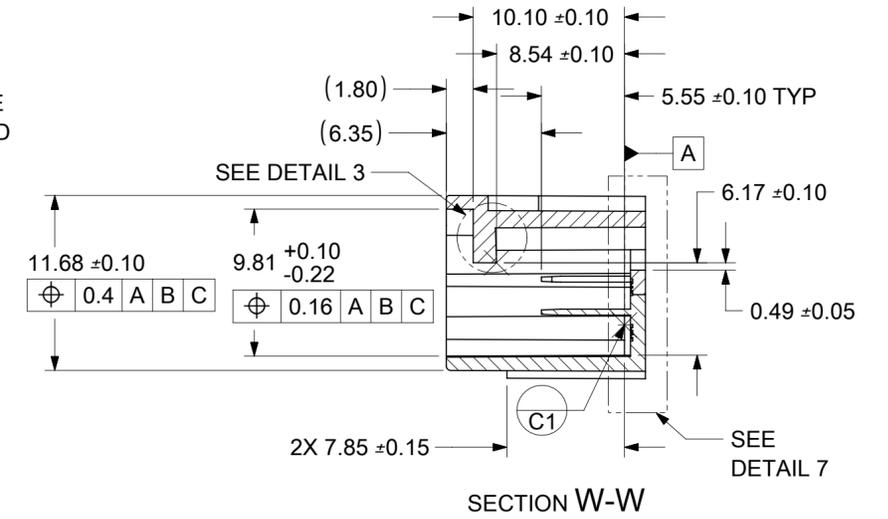
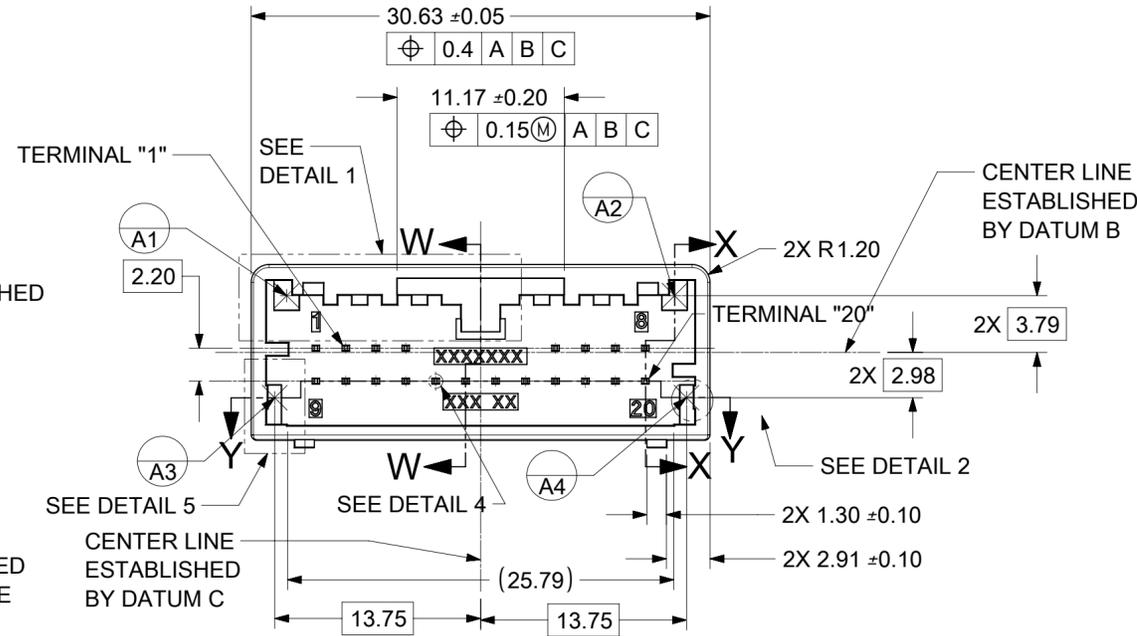
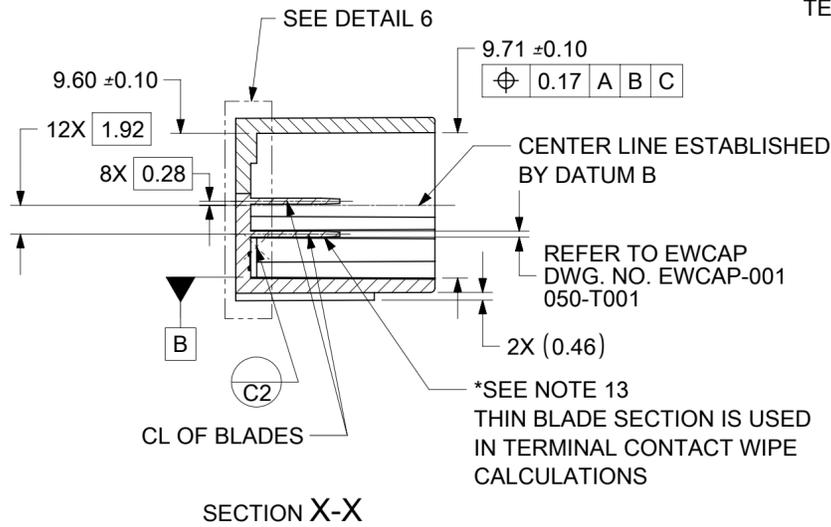
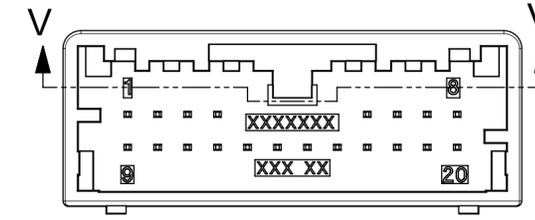
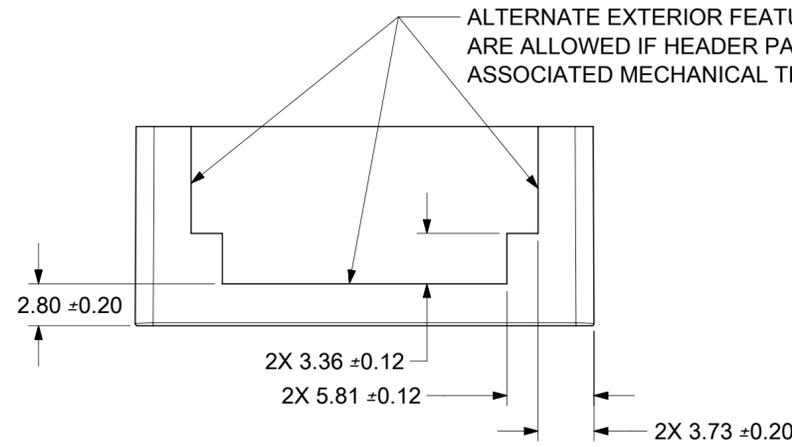


050-U-020-2-A01	A	BLACK
050-U-020-2-B01	B	LIGHT GRAY
050-U-020-2-C01	C	DARK GRAY
EWCAP P/N	OPTION	MATING CONNECTOR COLOR

molex
050-U-020-2-Z01

	B	REMOVED NOTES 9 AND 11	12-18-18	JJ	JD
	A	INITIAL RELEASE	10-15-15	TM	RB
CHANGE SERIAL NUMBER	LET	REVISION RECORD	DATE	DWN	CHK
TOLERANCES (UNLESS OTHERWISE SPECIFIED)			THIRD ANGLE PROJECTION		
DIMENSIONS ARE IN MILLIMETERS					
ANGLES ± 0° 30'					
USCAR-EWCAP					
SCALE	3:1	DRAWN BY T. MACHUGA	CHECKED BY R. BAUMAN	DATE	11-07-14
UNSEALED INTERFACE 0.50 mm CONNECTORS 20 WAY (2 X 3), (1 X 10)					
SHEET	DRAWING NUMBER	SIZE	DO NOT SCALE DRAWING	COMPUTER AIDED DRAWING	REVISION LEVEL
1 OF 4	050-U-020-2-Z01	A2			B

ALTERNATE EXTERIOR FEATURES
ARE ALLOWED IF HEADER PASSES
ASSOCIATED MECHANICAL TESTING



*****	A	RELEASED	10-15-15	TM	RB
CHANGE SERIAL NUMBER	LET	REVISION RECORD	DATE	DWN	CHK
TOLERANCES (UNLESS OTHERWISE SPECIFIED)					THIRD ANGLE PROJECTION
DIMENSIONS ARE IN MILLIMETERS					
ANGLES ± 0° 30'					

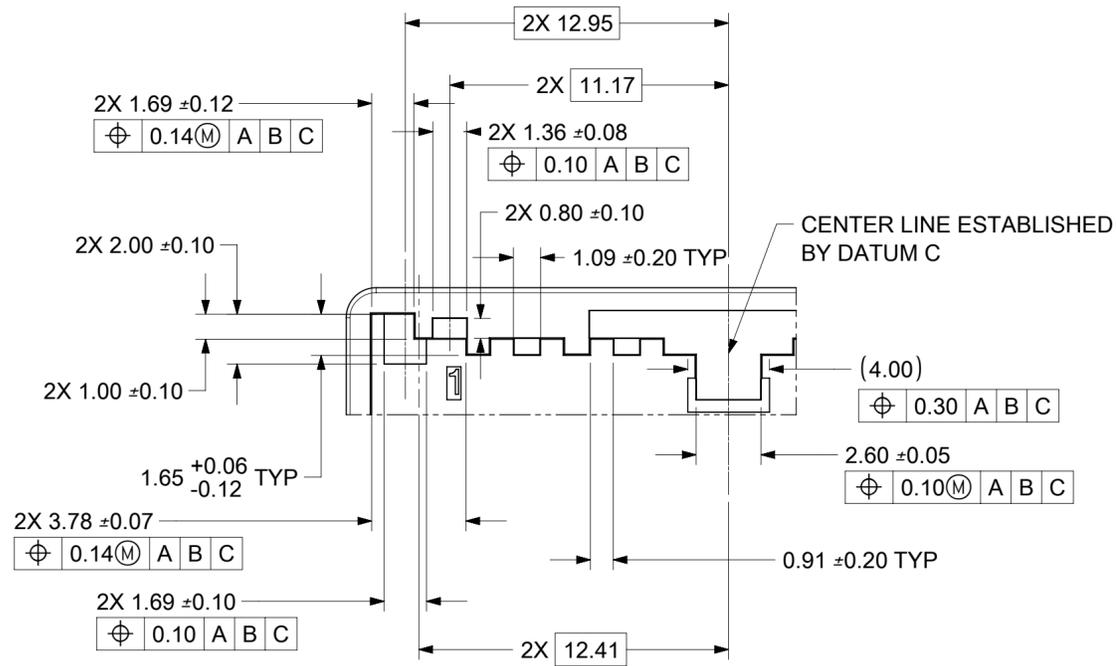
USCAR-EWCAP

SCALE	3:1	DRAWN BY	T. MACHUGA	CHECKED BY	R. BAUMAN	DATE	11-07-14
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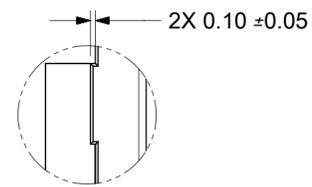
UNSEALED INTERFACE 0.50 mm CONNECTORS
20 WAY (2 X 3), (1 X 10)

molex
050-U-020-2-Z01

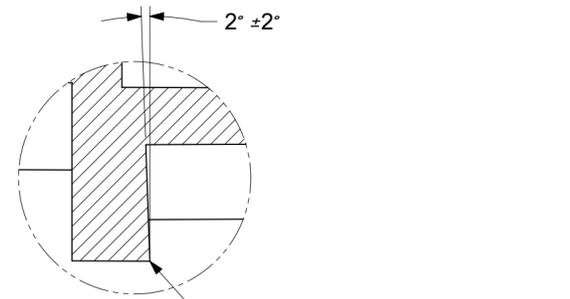
SHEET	2 OF 4	DRAWING NUMBER	050-U-020-2-Z01	SIZE	A2	DO NOT SCALE DRAWING	COMPUTER AIDED DRAWING	REVISION LEVEL	A
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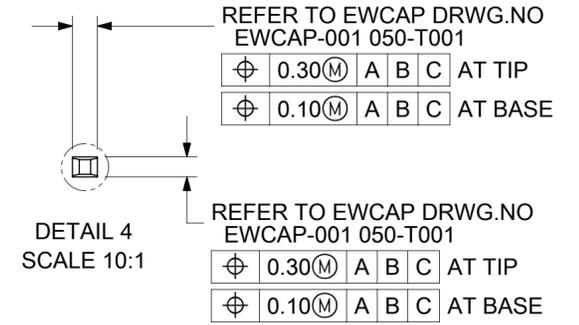
DETAIL 1
SCALE 5:1



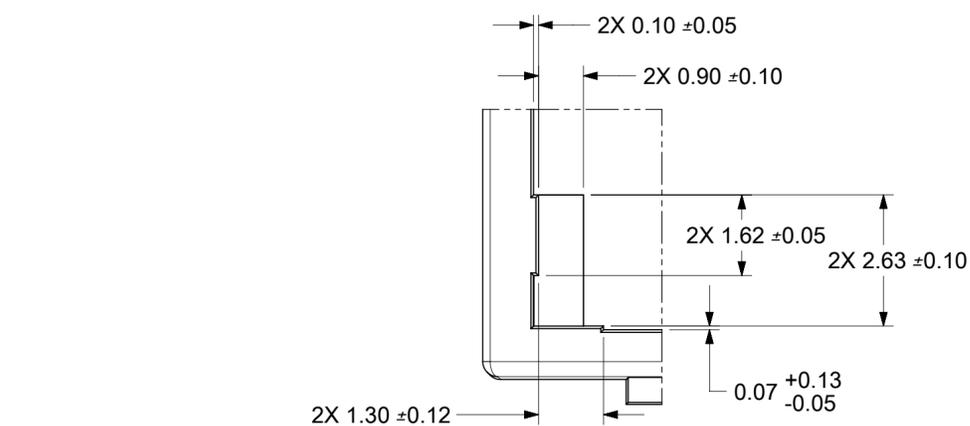
DETAIL 2
SCALE 10:1



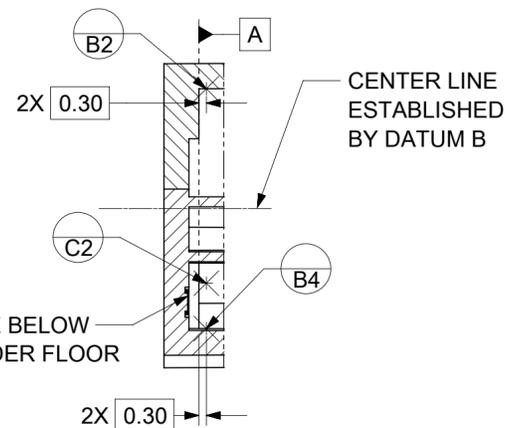
DETAIL 3
SCALE 10:1



DETAIL 4
SCALE 10:1

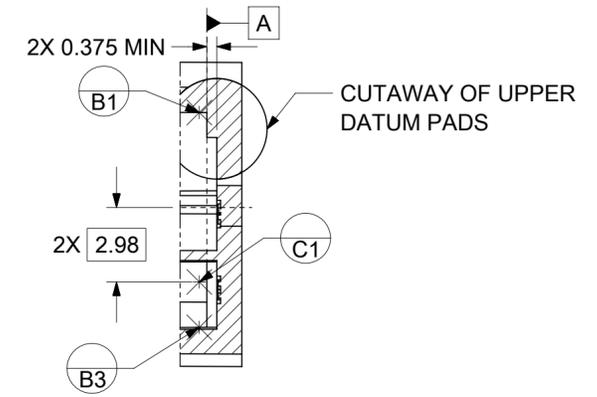


DETAIL 5
SCALE 10:1

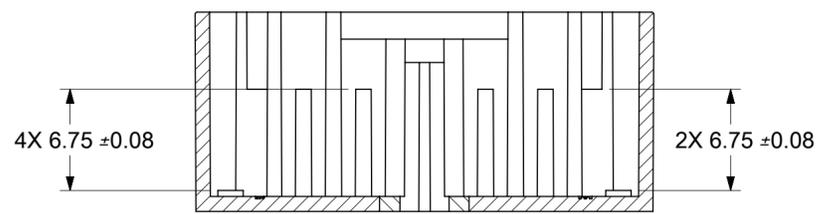


ALL TEXT TO BE BELOW
FLUSH OF HEADER FLOOR

DETAIL 6
SCALE 5:1



DETAIL 7
SCALE 5:1



SECTION V-V

*****	A	RELEASED	10-15-15	TM	RB
CHANGE SERIAL NUMBER	LET	REVISION RECORD	DATE	DWN	CHK
TOLERANCES (UNLESS OTHERWISE SPECIFIED)			THIRD ANGLE PROJECTION		
DIMENSIONS ARE IN MILLIMETERS					
ANGLES ± 0° 30'					

USCAR-EWCAP

SCALE	3:1	DRAWN BY	T. MACHUGA	CHECKED BY	R. BAUMAN	DATE	11-07-14
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TITLE
UNSEALED INTERFACE 0.50 mm CONNECTORS
20 WAY (2 X 3), (1 X 10)

molex
050-U-020-2-Z01

SHEET	DRAWING NUMBER	SIZE	DO NOT SCALE DRAWING	REVISION LEVEL
3 OF 4	050-U-020-2-Z01	A2	COMPUTER AIDED DRAWING	A

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Signed Trevor Machuga for MOLEX. Date: 2-19-2019
 Name and title of signer: TREVOR MACHUGA - DESIGN ENGINEER II

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(050-U-020-2-Z01)



050-U-020-2-Z01

*****	A	RELEASED	10-15-15	TM	RB
CHANGE SERIAL NUMBER	LET	REVISION RECORD	DATE	DWN	CHK
TOLERANCES (UNLESS OTHERWISE SPECIFIED)			THIRD ANGLE PROJECTION		
DIMENSIONS ARE IN MILLIMETERS					
ANGLES ± 0° 30'					
USCAR-EWCAP					
SCALE	3:1	DRAWN BY	T. MACHUGA	CHECKED BY	R. BAUMAN
				DATE	11-07-14
TITLE UNSEALED INTERFACE 0.50 mm CONNECTORS 20 WAY (2 X 3), (1 X 10)					
SHEET	4 OF 4	DRAWING NUMBER	050-U-020-2-Z01	SIZE	A2
				DO NOT SCALE DRAWING	REVISION LEVEL
				COMPUTER AIDED DRAWING	A