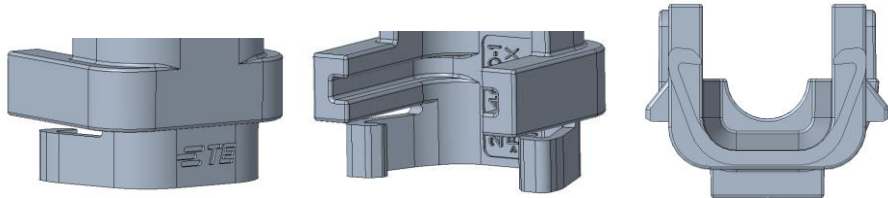
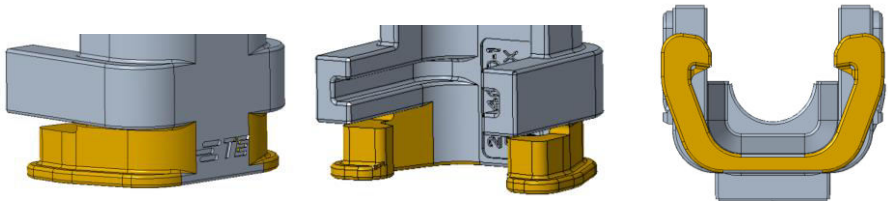


BACKSHELL – STRAIGHT REMOVAL FORCE

Process

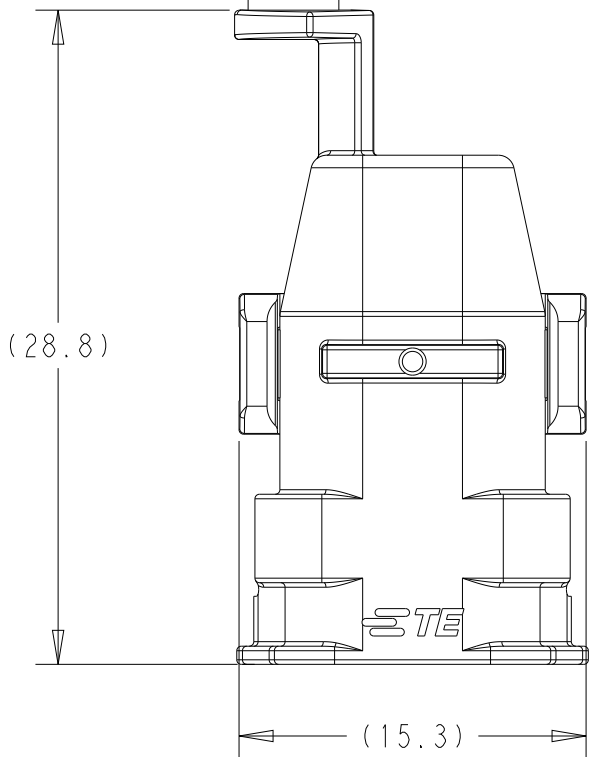
CHANGE SUMMARY	BEFORE AND AFTER COMPARISON	CHANGE EXPLANATION
- The backshells shall be validated in accordance with the USCAR-2 specification. - During evaluation testing, it was identified that TE part number 2504030-1 did not meet the straight removal force requirement. - According to the specification, the backshell must withstand a minimum removal force of 110 N; however, Rev. 1 samples achieved only approximately 20 N.	Before  After (<i>modified surfaces highlighted</i>) 	- The backshell-to-housing interface remains unchanged, maintaining full compatibility. - To improve retention performance, the backshell latch design was strengthened by increasing latch thickness and adding reinforcing angle brackets. - Evaluation testing Rev. 4 samples confirmed compliance with the straight removal force requirement, achieving 146 N against a minimum requirement of 110 N.

NOTES:

1. MATERIAL - THERMOPLASTIC
2. MOLDED IN MEXICO
3. THIS PRODUCT HAS NOT YET COMPLETED VALIDATION TESTING.
4. USED ON ASSEMBLIES:
2476959-1
2479934-1
5. PRELIMINARY - NOT RELEASED FOR PRODUCTION.

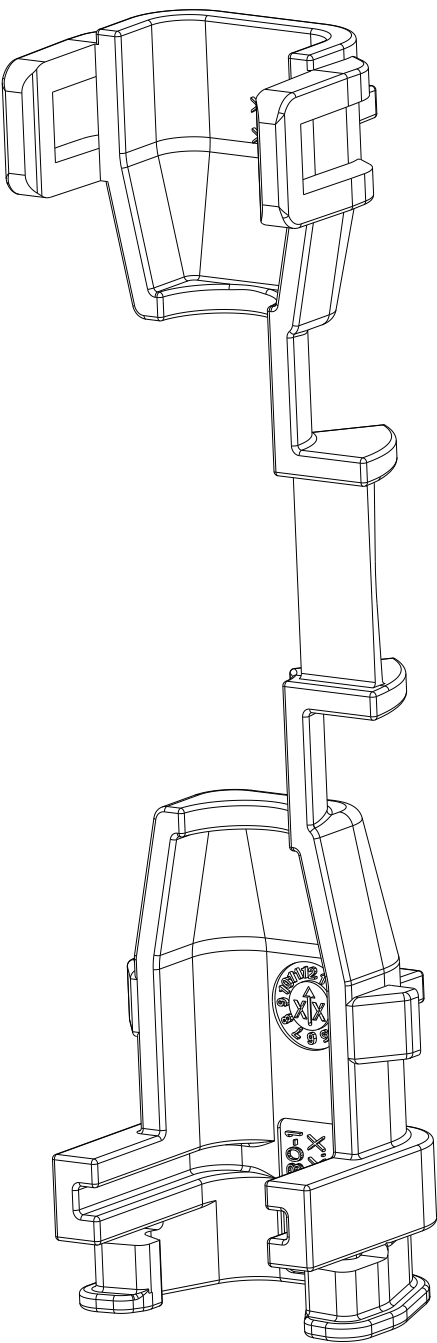
ASSEMBLED CONDITION - REFERENCE ONLY

SCALE 3:1

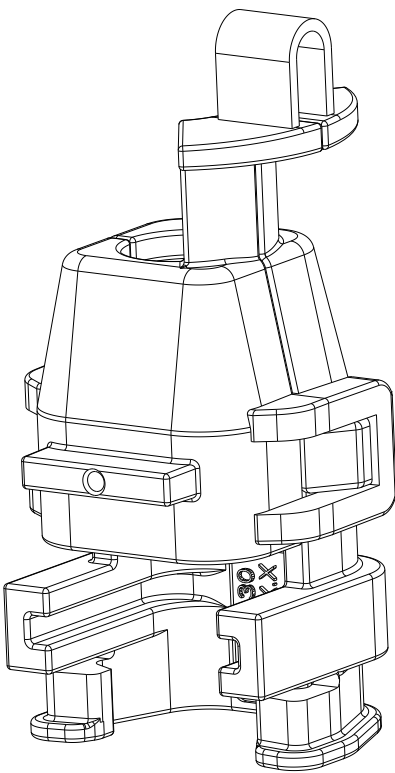


2504030-1		REC CONN CVR, 2POS, MQS, 180DEG			1	
PART NUMBER		DESCRIPTION				ITEM
DWN	01JUL2025					
CHK	01JUL2025					
APVO	01JUL2025					
NAME						
PRODUCT SPEC		REC CONN CVR, 2POS, MQS, 180DEG				
-		-				
APPLICATION SPEC		-				
408-18056		SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO	
WEIGHT		A2	00779	C=2504030	-	
CUSTOMER DRAWING				SCALE	SHEET	REV
				3:1	1 OF 1	4

OPEN CONDITION - ISO VIEW



ASSEMBLED CONDITION - ISO VIEW



THIS PRINT IS

PRELIMINARY

UNQUALIFIED PRODUCT
CONTACT PRODUCT ENGINEERING
BEFORE USING THIS PRINT

4	4
HIGHEST DIM ID EVER ASSIGNED TO 2D AND 3D	REV
DIM ID TABLE	

DIMENSIONS:

MATERIAL	PBT
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~~TOLERANCES UNLESS OTHERWISE SPECIFIED:~~

0 PLC	±
1 PLC	±0.1
2 PLC	±0.01
3 PLC	±0.001
4 PLC	±0.0001
ANGLES	±
FINISH	

~~BLACK~~