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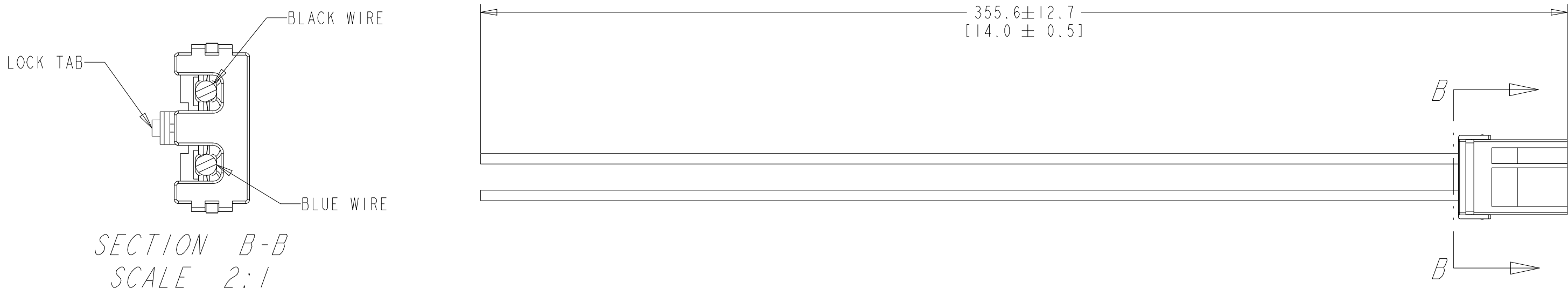
C

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A

ITEM	PART No.	DESCRIPTION	QTY
4	2.08.401	SPI CONNECTOR	1
5	2.08.421	SPI LOCK	1
6	42100-2	TYCO TERMINAL	2
7	----	SEE NOTE 2 (BLACK COLOR)	1
8	----	SEE NOTE 2 (BLUE COLOR)	1

REVISIONS						
ZONE	LTR	DESCRIPTION	CHANGE No	DATE	BY	APPR'D
	AA	INITIAL RELEASE	DR97825	24OCT23	JTK	TM



NOTES:



- CHANGE IN DESIGN, COMPOSITION, LOCATION OR PROCESSING FROM THE PART PREVIOUSLY APPROVED FOR PRODUCTION REQUIRES PRIOR APPROVAL BY TI AUTOMOTIVE.
- WIRE INSULATION OPTIONS (14 AWG):  
TPTFE 14 AWG (SECTION 2.1mm<sup>2</sup>) - Cu/Sn - FEP100 (FLUORINATED ETHYLENE PROPYLENE) HIGH TEMPERATURE - 600V CONFORMING TO ANSI/NEMA HP 4-2012.  
  
JUDD XLPE GAS TANK WIRE CERTIFIED TO JW573-98 REV T, 14 AWG STRANDED BC 19/36  
  
ETFE INSULATED WIRE MUST CONFORM TO RAYCHEM SPECIFICATION 55A OR RSCC (AEROSPACE & DEFENSE) SPECIFICATION AS22759C.
- ALL WIRE TO TERMINAL CRIMP JOINTS MUST BE VERIFIED PER TI AUTOMOTIVE WIRE HARNESS AND CRIMP TEST METHOD DS-OP-TM-003.
  - CRIMP JOINT MEASUREMENTS: SEE TABLE A
  - CRIMP JOINTS MUST CONFORM TO TERMINAL SUPPLIER CRIMPING GUIDELINES AND ALL VISUAL INSPECTION CRITERIA PER DS-OP-TM-003.
  - ALL WIRE TO TERMINAL CRIMPS MUST COMPLY WITH USCAR 21-2, SECTIONS 1-4.4 AND 4.5.3, APRIL 2004. ALL CRIMPED CONNECTIONS MUST COMPLY WITH IEC 60352-2, EDITION 2.1. MINIMUM PULL-OUT FORCES SHOWN IN TABLE BELOW UNLESS OTHERWISE SPECIFIED. REFER TO USCAR-21 REVISION 1 FOR MULTIPLE CRIMP JOINT PULL-OUT PROCEDURE.

CONDUCTOR CROSS SECTION		PULL-OUT FORCE
mm <sup>2</sup>	(AWG)	N
0.32	22	40
0.5	20	60
0.82	18	90
1.3	16	135
2.1	14	200

TABLE A				
TERMINAL NUMBER	CONDUCTOR CRIMP HEIGHT (mm) SEE NOTE 3	CONDUCTOR CRIMP WIDTH (mm) SEE NOTE 3	INSULATION CRIMP HEIGHT (mm) SEE NOTE 3	INSULATION CRIMP WIDTH (mm) SEE NOTE 3
42100-2	1.37±0.05	2.60±0.05	2.95±0.10	3.40±0.10
** VALUES TO BE ADDED AFTER APPROVED PPAP AND CAPABILITY STUDIES **				

TI AUTOMOTIVE  
PART NUMBER  
EUE20209AAAF00

KEY PRODUCT CHARACTERISTICS				
REFER TO TI AUTOMOTIVE GLOBAL ADVANCED QUALITY PLANNING DOCUMENT CW-4-ALL-411 FOR THE CLASSIFICATION AND CONTROL OF KEY PRODUCT CHARACTERISTICS				
TYPE OF CHARACTERISTIC	SAFETY	REGULATORY	FUNCTION	FUNCTION PROCESS
	SC	SC	SC	SC
NUMBER PER EACH CHARACTERISTIC	0	0	1	0
TOTAL NUMBER OF CHARACTERISTICS	1			
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METRIC ALL DIMENSIONS ARE IN MILLIMETERS			
DO NOT SCALE DECIMAL TOLERANCES UNLESS OTHERWISE SPECIFIED ONE PLACE ±0.25    TWO PLACE ±0.13    ANGLES ±1°			
 		THIRD ANGLE PROJECTION	
DIMENSIONS IN ACCORDANCE WITH ASME Y14.5 - 2009			
		630 COLUMBIA ST. CARO, MI 48723 +1 989.673.7727	
TI Automotive			
ENGINEER:	T.MILLER	24OCT2023	MATERIAL/SPECIFICATION: SEE NOTES
DESIGNER:	J.KULIGOWSKI	24OCT2023	
CAD SYSTEM: PRO/E		SCALE: 1:1	SHEET NO. 1 OF 1
REFERENCE 10/REV.: 300118351/AA		20 PLW REFERENCE/REV.: AR3111371/AA	
		30 PLW REFERENCE/REV.: AR3111370/AA	
DRAWING NAME: WIRE HARNESS			
SIZE: A1	DRAWING NUMBER: AR3111371		

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