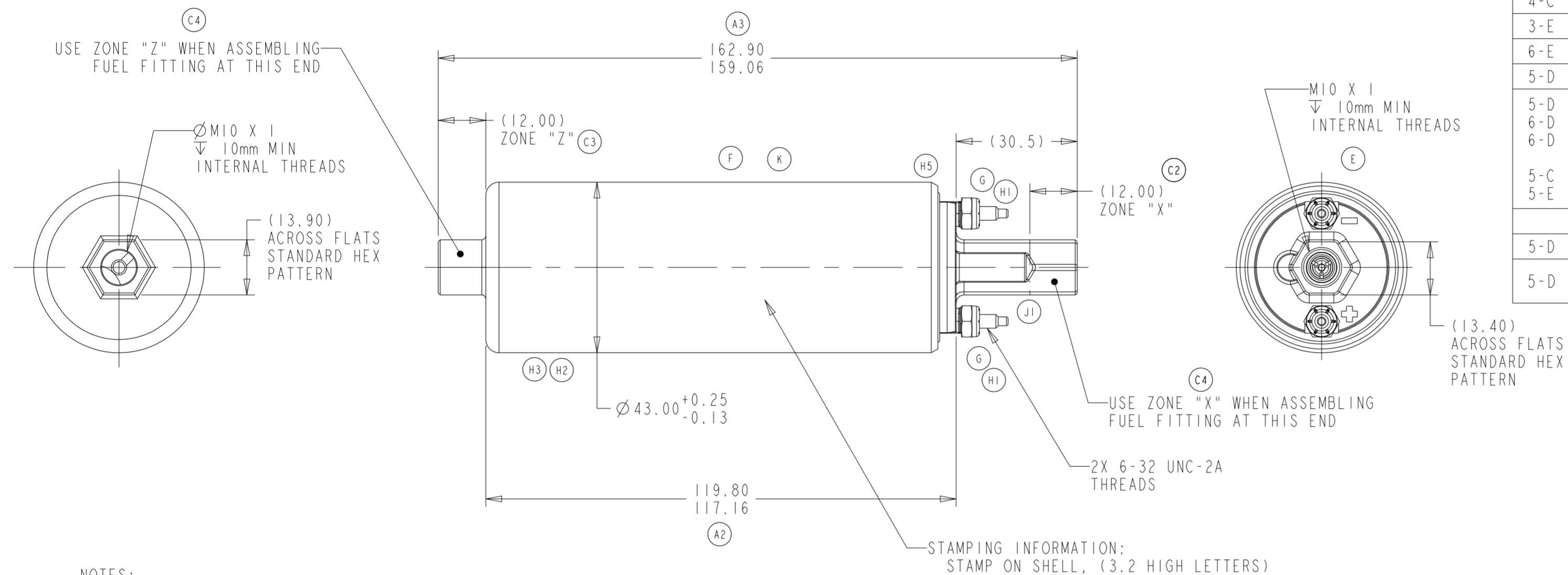


REVISIONS						
ZONE	LTR	DESCRIPTION	CHANGE No	DATE	BY	APPR'D
		RELEASE FOR QUOTE	----	02NOV98		CJB
		RELEASE FOR PRODUCTION	66281	22APR99	RMB	CJB
5-C 6-C	A	A1 MODIFIED STAMP INFO A2 119.80 WAS 120.22 117.16 117.44	67363	27FEB01	DRG	MMcK
6-E		A3 162.90 WAS 163.32 159.06 159.34				
5-C	B	REVISED STAMPING INFO LOGO	67541	16JUL01	RMB	MMcK
8-B 4-D 6-E 7E, 4D	C	C1 ADDED NOTE 4 C2 ADDED DIMENSION C3 ADDED ZONE TO DIMENSION C4 ADDED ZONE NOTES TO BOTH HEX ENDS	67917	08APR02	RMB	MMcK
4-C	D	REMOVED PATENT NUMBERS	71352	02MAY08	DRG	BLM
3-E	E	1080546 WAS 1080542	C'948	19AUG11	WDE	MMcK
6-E	F	1597802 ARMATURE WAS 159-663B	C'954	21SEP11	WDE	MMcK
5-D	G	000107170 HEX NUT WAS 1340091	C1474	10JUL12	DRG	MMcK
5-D 6-D 6-D	H	H1 000113267 WAS 000107170 H2 000103156 WAS 0160586 H3 000107879 WAS 1810643 & 108-208 WAS 108-209	77958 77961 78384	12MAY16	SLK	MMcK MAS
5-C 5-E		H4 UPDATED SHELL STAMP LOGO H5 000005875 WAS 1080540	C'3614 78761			
*** LETTER "I" NOT USED ***						
5-D	J	J1 000103154 WAS 1080546	79971	13JUL18	SLK	TLH
5-D	K	K1 DBTC0031 MAGNETS WERE 184-31	83524	25JAN23	JTK	MLM



NOTES:

- PUMPS SHALL POSSESS IDENTIFICATION MARK TO SIGNIFY PASSING AIR LEAK TEST
- ORIENTATION OF OUTLET FITTING TO INLET FITTING WILL BE RANDOM
- PUMPS SHALL BE SUITABLY PACKAGED TO PREVENT CONTAMINATION WITH FOREIGN MATERIAL
- ASSEMBLY NOTE:  
FITTING AND WIRE HARNESS TO BE ASSEMBLED BY THE CUSTOMER AS PER THE FOLLOWING:  
  
DO NOT HOLD PUMP ON THE  $\varnothing 43\text{mm}$  WHEN TORQUING FITTINGS  
  
TO INSTALL FUEL FITTINGS ON BOTH ENDS OF THE PUMP, PLACE A WRENCH IN THE 12mm ZONE ON THE HEX ON THE END OF THE PUMP WHERE FITTING IS BEING INSTALLED. COPPER WASHER AND FITTING ARE INSTALLED TOGETHER. USING ANOTHER WRENCH, TORQUE FITTING TO  $200 \pm 10$  IN-LB  
  
WIRE HARNESS INSTALLATION REQUIRES TWO WRENCHES. PLACE FIRST WRENCH ON PRE-INSTALLED HEX NUT. THEN PLACE RING TERMINAL, LOCK WASHER AND SECOND HEX NUT ON TERMINAL POST. USING SECOND WRENCH, TORQUE TO  $10 \pm 1$  IN-LB

↑ FLOW  
GSL392  
20AMP FUSE REQUIRED  
(JULIAN DATE MFG) MADE IN USA  
TI Automotive

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
NUMBER PER EACH CHARACTERISTIC	---	---	---
TOTAL NUMBER OF CHARACTERISTICS	---	---	---

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METRIC  
ALL DIMENSIONS ARE IN MILLIMETERS

DO NOT SCALE  
DECIMAL TOLERANCES UNLESS OTHERWISE SPECIFIED  
ONE PLACE  $\pm 0.25$  TWO PLACE  $\pm 0.13$  ANGLES  $\pm 1^\circ$

THIRD ANGLE PROJECTION  
DIMENSIONS IN ACCORDANCE WITH ASME Y14.5 - 2009

630 COLUMBIA ST.  
CARO, MI 48723  
+1 989.673.7727

**TI Automotive**

ENGINEER:		MATERIAL/SPECIFICATION:	
DESIGNER:	DRG	25MAR1999	
CAD SYSTEM: PRO/E	SCALE: 1:1	SHEET NO.   OF	
REFERENCE ID/REV.:	HJPS0392AF	2D PLM REFERENCE/REV.: AR0006010/AH	
REFERENCE ID/REV.:	000101865/AF	3D PLM REFERENCE/REV.: 000008530/AJ	
DRAWING NAME: FUEL PUMP OUTLINE			
SIZE:	A2	DRAWING NUMBER:	GSL392