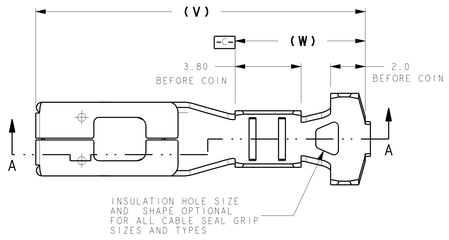
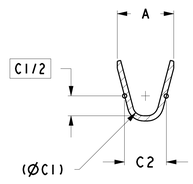
LTRS	REVISIONS			
ORIGINATOR	CHECKER	ENG APP	MATL APP	

REVISED AND REDRAWN AFTER INTERNAL REVISION AB.
AC1 ADDED METRIC EQUIVALENT WIRE CODES
AC2 REMOVED CRIMP INFORMATION AND VIEWS
DATE:20100928
AELE-E-117866306-131

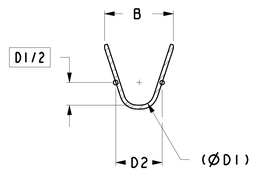
B CUE	RJC		MAT'L

ACTUAL SIZE

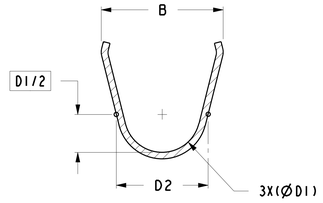




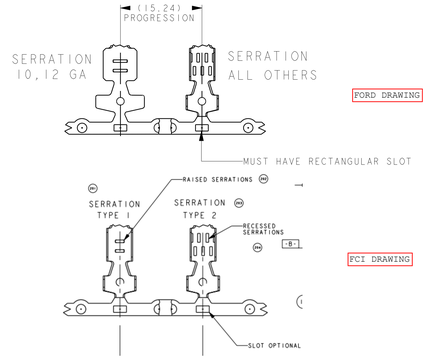
SECTION C-C
CORE GRIP

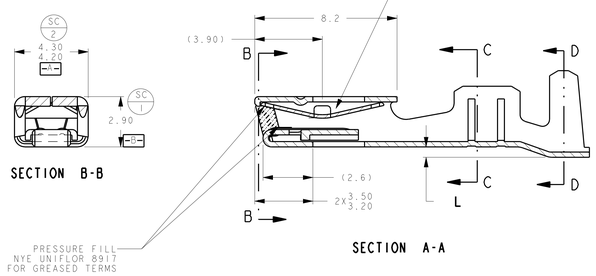


SECTION D-D
UNSEALED INSULATION GRIP



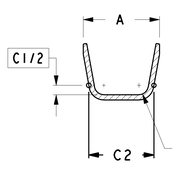
SECTION D-D
CABLE SEAL INSULATION GRIP



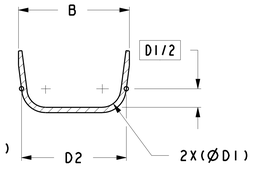


TIN PLATING OPTION 1.
USE MATERIAL TYPE 1&2.

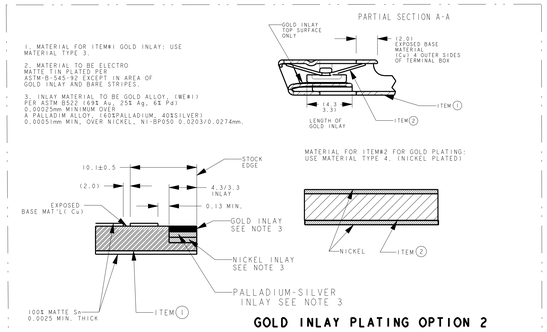
FOR ALL CRIMP INFORMATION, SEE FCI APEX 2.8 TERMINAL GUIDELINES FOUND ON THE FCI "U" DRIVE IN THE CRIMP GUIDELINE FOLDER.



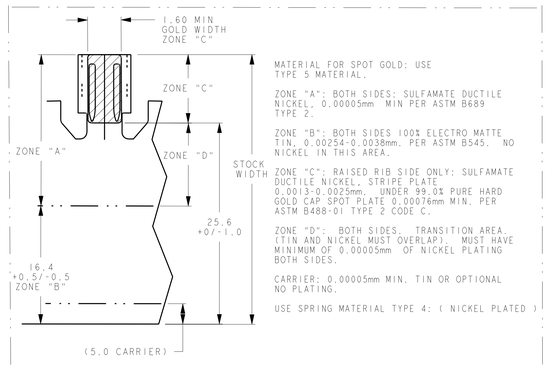
SECTION C-C
DOUBLE WIRE (13GA) CORE GRIP



SECTION D-D
DOUBLE WIRE (13GA) INSULATION GRIP



GOLD INLAY PLATING OPTION 2



MATERIAL FOR SPOT GOLD: USE TYPE 5 MATERIAL.

ZONE "A": BOTH SIDES: SULFAMATE DUCTILE NICKEL, 0.00005mm MIN PER ASTM B689 TYPE 2.

ZONE "B": BOTH SIDES 100% ELECTRO MATTE TIN, 0.00254-9.0038mm, PER ASTM B545. NO NICKEL IN THIS AREA.

ZONE "C": RAISED RIB SIDE ONLY: SULFAMATE DUCTILE NICKEL, STRIPE PLATE 0.0013-0.0025mm, UNDER 99.0% PURE HARD GOLD CAP SPOT PLATE 0.00076mm MIN. PER ASTM B488-01 TYPE 2 CODE C.

ZONE "D": BOTH SIDES. TRANSITION AREA (TIN AND NICKEL MUST OVERLAP). MUST HAVE MINIMUM OF 0.00005mm OF NICKEL PLATING BOTH SIDES.

CARRIER: 0.00005mm MIN. TIN OR OPTIONAL NO PLATING.

USE SPRING MATERIAL TYPE 4: (NICKEL PLATED)

SPOT GOLD PLATING OPTION 3
NOT AVAILABLE AT THIS TIME

TABLE - 1 - TERMINAL GRIP DIMENSION TABLE

(RB) (KA) (AC)

FORD PART NO.	FCI PART NO.	METRIC WIRE	AWG WIRE	GRIP STAMP	PLATING	CABLE/UN SEALED CS/US	GREASED [2]	A+/-0.30	B+/-0.30	(C1)	C2+/-0.30	(D1)	D2+/-0.30	L+/-0.10	V± 0.5 0.3	W±0.30	GRIP STAMP
XF2T-14474-CA	54002231	0.35	22	22	TIN	US	NO	2.6	3.2	0.76	1.7	1.40	2.10	0.00	19.0	7.5	22
9U5T-14474-KA	54001879	0.50/0.75 1.00	18,20	18	GOLD INLAY	CS	NO	3.0	5.1	1.00	1.9	3.00	3.70	0.60	19.5	8.0	18
AU5T-14474-CAA	F703600	0.50/0.75 1.00	18,20	18	TIN	CS	YES										
XL3T-14474-DA	54001840	0.50/0.75 1.00	18,20	18	TIN	CS	NO										
AU5T-14474-ZA [1]	F703500	0.50/0.75 1.00	18,20	18	GOLD SPOT	CS	NO										
AU5T-14474-XA [1]	F903500	0.50/0.75 1.00	18,20	18	GOLD SPOT	US	NO	3.0	3.8	1.00	1.9	1.75	2.70	0.00	19.0	7.5	18
8U5T-14474-GA	54001876	0.50/0.75 1.00	18,20	18	GOLD INLAY	US	NO										
F8VB-14474-BA	54001839	0.50/0.75 1.00	18,20	18	TIN	US	NO										
YF1T-14474-CA	54001311	0.35/1.00 2 WIRE	18/20 2 WIRE	13	TIN	US	NO	4.60	6.6	1.50	3.7	2.55	6.00	0.60	19.0	7.5	13
9U5T-14474-JA	54001448	0.50/0.75 1.00	14,16	14	GOLD INLAY	CS	NO	3.8	6.1	1.45	2.3	3.80	4.60	0.80	19.5	8.0	14
4L3T-14474-AA	54001439	0.50/0.75 1.00	14,16	14	TIN	CS	YES										
XL3T-14474-AA	54001432	1.50/2.00 2.50	14,16	14	TIN	CS	NO										
AU5T-14474-AAA [1]	F803500	1.50/2.00 2.50	14,16	14	GOLD SPOT	CS	NO										
AU5T-14474-YA [1]	F013500	1.50/2.00 2.50	14,16	14	GOLD SPOT	US	NO										
8U5T-14474-HA	54001446	1.50/2.00 2.50	14,16	14	GOLD INLAY	US	NO	3.8	4.7	1.45	2.3	2.25	3.20	0.40	19.0	7.5	14
F8VB-14474-AA	54001431	1.50/2.00 2.50	14,16	14	TIN	US	NO										
XL3T-14474-CA	54001220	4.00	12	12	TIN	CS	NO	5.2	6.6	2.30	3.2	4.30	5.20	1.10	19.5	8.0	12
4L3T-14474-CA	54001221	4.00	12	12	TIN	CS	YES										
7L7T-14474-EA	54001227	4.00	12	12	TIN	US	NO	5.2	5.2	2.30	3.2	3.00	3.80	0.40	19.0	7.5	12
XF2T-14474-BA	54001018	4.00	10	10	TIN	US	NO	5.2	6.5	2.30	3.2	3.20	4.00	0.80	19.0	7.5	10

1. SPOT GOLD PLATING IS NOT AVAILABLE AT THIS TIME. 2. GREASE USED IS NYE UNIFLOR 8917.

NOTES:

1) CONFORMS TO ALL APPLICABLE SECTIONS OF:
SAE/USCAR-2 REV.3 EXCEPT TERMINAL BEND RESISTANCE SECTION 5.2.2
SAE/USCAR-12 REV 2
SAE/USCAR-21
FORD SDS VER 11

2) MATERIALS

MATERIAL TYPE 1: C14530 CU TO ASTM B-152
THICKNESS 0.305 ± 0.008
TENSILE STRENGTH 372-442 MPa
MINIMUM ELONGATION: 2.5% IN 51mm.
PLATING : 100% HOT TIN DIP : 0.0005-0.0025mm.

MATERIAL TYPE 2: C17410 BE CU TO ASTM B-768
THICKNESS 0.203 ± 0.008
TENSILE STRENGTH 758-897 MPa
YIELD STRENGTH 655-862 MPa
MINIMUM ELONGATION: 7% IN 51mm
PLATING: 100% HOT TIN DIP : 0.0005-0.0025mm.

MATERIAL TYPE 3: C14530 CU TO ASTM B-152
THICKNESS 0.305 ± 0.008
TENSILE STRENGTH 324-394 MPa
MINIMUM ELONGATION: 2.0% IN 51mm.
PLATING : SEE SPECIAL PLATING SECTION FOR INLAY GOLD.

MATERIAL TYPE 4: C17410 BE CU TO ASTM B-768
THICKNESS 0.203 ± 0.008
TENSILE STRENGTH 758-897 MPa
YIELD STRENGTH 655-862 MPa
MINIMUM ELONGATION: 7% IN 51mm
PLATING: SULFMATE DUCTILE NICKEL 0.00127-0.0025mm. TO ASTM B689 TYPE 2.

MATERIAL TYPE 5: C14530 CU TO ASTM B-152
THICKNESS 0.305 ± 0.008
TENSILE STRENGTH 372-442 MPa
MINIMUM ELONGATION: 2.0% IN 51mm.
PLATING : SEE SPECIAL PLATING SECTION FOR SPOT GOLD.

3) THE APEX 2.80mm TERMINAL IS SYMMETRICAL ABOUT CENTERLINE AND CAN BE INSERTED 180°

4) DIMENSIONAL TOLERANCE:
1 PLACE ±0.25
2 PLACE ±0.10
ANGULAR ±3°

5) FOR CAVITY SPECIFICATION INFORMATION REFERENCE FCI DRAWING 15001 FOR UNSEALED CAVITY AND FCI DRAWING C15006 FOR SEALED CAVITY

6) TERMINALS THAT CONTAIN NYE UNIFLOR 8917 GREASE TO HAVE 4 MILLIGRAMS MINIMUM OF THE GREASE APPLIED TO THE CONTACT AREA

7) DRAWING CONFORMS TO AVP - (T401/T406)-001

8) SEE USCAR DRAWING EWCAP-001 FOR DIRECT CONNECT MATING BLADE INFORMATION

9) ANNUAL QUALITY REQUIREMENTS:
FCI SPECIFICATION #AQA-001 INSTEAD OF ANNUAL LAYOUT & ANNUAL REQUIREMENTS OF QS-9000 SECTION 2
IT IS PERMISSIBLE TO PERFORM CONTINUOUS CONFORMANCE PER

- CURRENT PRODUCTION TOOLING
- POINT OF LAST RUN.

10) VENDOR,TOOL,GRIP & WEEK CODES MUST BE PRESENT & LEGIBLE

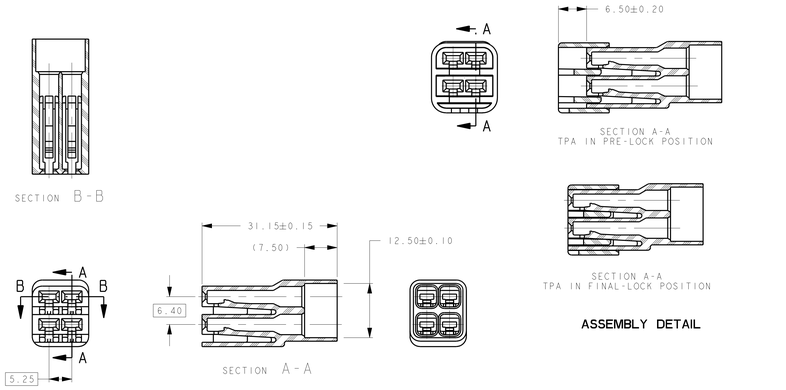
11) SC DESIGNATES SPC DIMENSION

12) CS DESIGNATES CABLE SEALED
U/S DESIGNATES UNSEALED

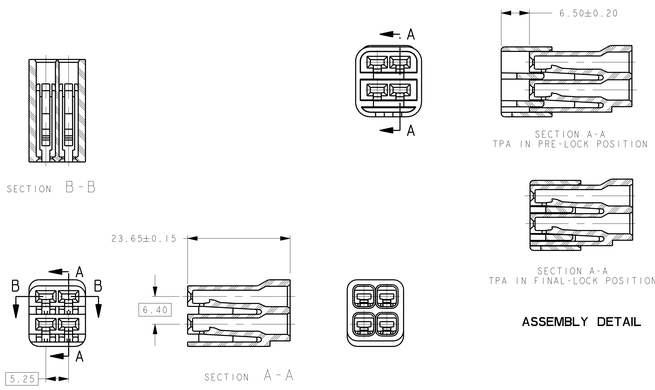
13) CAVITY SPECIFICATIONS, SEE SHEET # 2

REFERENCE	FCI - AUTOMOTIVE (7362) FOR INFORMATION CONTACT: FCI - AUTOMOTIVE (7362)		
PART MUST COMPLY WITH MATERIAL SPECIFICATION WSS-M99P9999-A1 TO HELP SAFEGAURD HEALTH, SAFETY AND THE ENVIRONMENT.			
DRAFTED IN ACCORDANCE WITH FAO ENGINEERING DRAFTING STANDARD CURRENT AT INITIAL RELEASE	3 RD ANGLE PROJ	DIMENSIONS IN MILLIMETERS	
CAD TYPE X-PROE	CAD LOC. N/A	CAD FILE	DTM IS MASTER
OPER. NO.	UNIT	DRAWING F8VB-14474-AA	
DESIGN JAB	DETAIL RS	TITLE TERMINAL - (2.80MM) WIRE SNAP ON FEMALE	SHT 1 OF 2
CHECKED JAB	SAFETY		
SCALE 4:1	DATE 20041215	DIVISION PLANT	Ford

DRW SIZE A0/E



MAT SEAL OPTION



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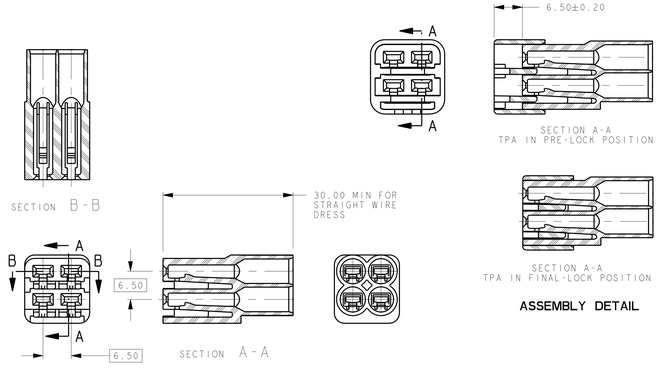
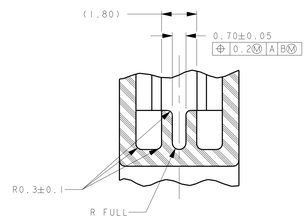
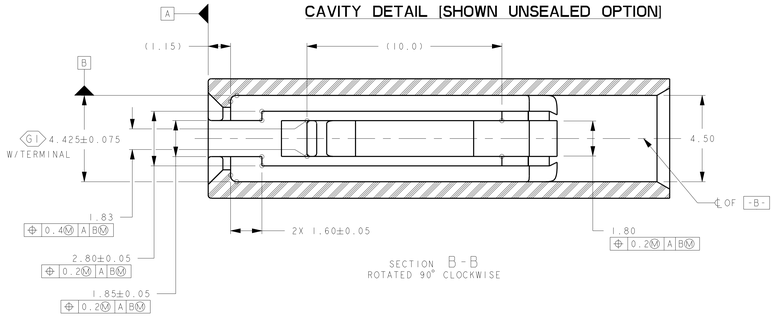


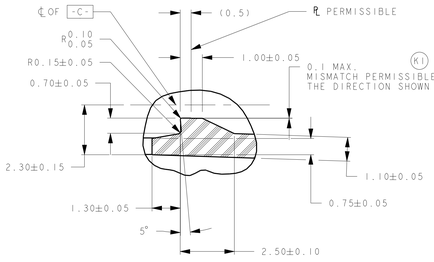
CABLE SEAL OPTIONS

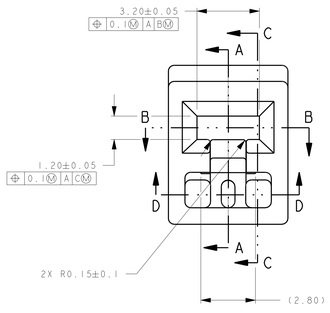
LTRS	REVISIONS			
ORIGINATOR	CHECKER	ENG APP	MATL APP	

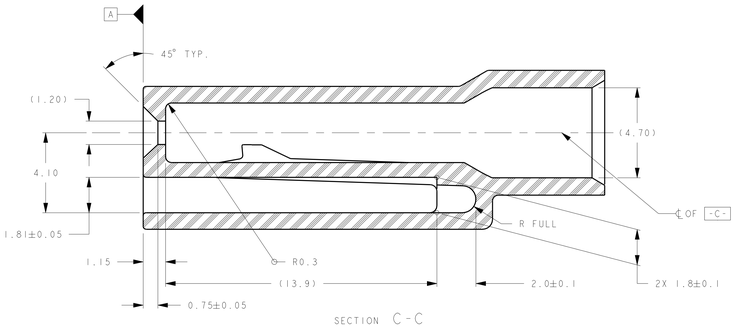


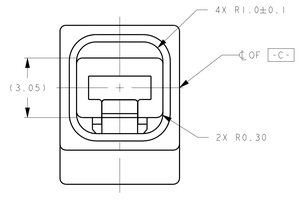


CAVITY DETAIL [SHOWN UNSEALED OPTION]



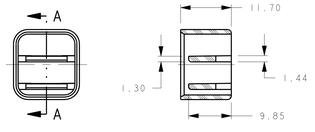




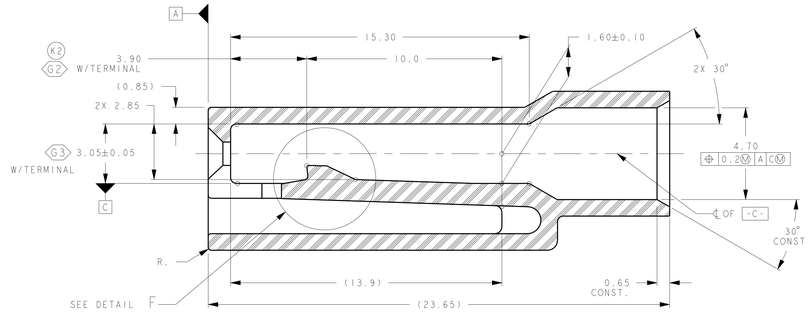


CAVITY DETAIL NOTES:

1. CAVITY DESIGN SHOWN IS BASED ON UTILIZATION OF A SPECIFIC MATERIAL (NYLON 6/6 35% GLASS FILLED) USER OF THIS CAVITY DESIGN IS RESPONSIBLE FOR ANY NECESSARY MODIFICATIONS REQUIRED FOR A SPECIFIC APPLICATION OR MATERIAL.
2. UNLESS SPECIFIED ALL RADIUS TO BE 0.30MM GENERAL TOLERANCES ±0.10 ALL TWO PLACES DIM ±1.0° ON ANGULAR DIMS.
3. UNDIMENSIONED FEATURES ARE AT THE DISCRETION OF THE COMPONENT DESIGNER.
4. (K2) INDICATES IN-PROCESS INSPECTION FOR MANUFACTURING DIMENSION(S) OR SPECIFICATION (S).
5. (G3) DENOTES GAGE REQUIRMENTS FOR USER AND MANUFACTURER.
6. VENDOR MUST SUBMIT FOR ENGINEERING APPROVAL FOR LOCATION OF PARTING LINES PRIOR TO CONSTRUCTION OF DIE.
7. TO BE USED WITH 2.80mm APEX FEMALE TERMINAL SYSTEM SEE SHEET 1.
8. UNLESS OTHERWISE SPECIFIED ALL DRAFT TO BE WITHIN DIMENSIONAL TOLERANCE ONLY.
9. EXTERNAL CAVITY PROFILE FOR REFERENCE ONLY.



TPA DETAIL



NOTES:

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   - A. USING FCI AUTOMOTIVE INFORMATION SHOWN IN THE DRAWING FOR ANY PURPOSE OTHER THAN CAVITY DESIGN IS PROHIBITED.
   - B. ANY IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR NON-FRINGMENT OF ANY THIRD PARTY INTELLECTUAL PROPERTY ARE EXPRESSLY DISCLAIMED AND EXCLUDED. THE ENTIRE RISK AS TO THE RESULT OBTAINED BY USING THE FCI AUTOMOTIVE INFORMATION IS ASSUMED BY THE USER.
   - C. FCI AUTOMOTIVE SHALL NOT BE LIABLE FOR ANY LOSS OR INJURY TO EARNINGS, PROFITS, GOODWILL, OR ANY PUNITIVE, EXEMPLARY, DIRECT CHAIN, SPECIAL, INDIRECT, INCIDENTAL, OR CONSEQUENTIAL DANGERS.
   - D. THE USER OF THE FCI AUTOMOTIVE INFORMATION AGREES TO DEFEND, IDENTIFY AND HOLD HARMLESS FCI AUTOMOTIVE AND ITS AFFLIATED ENTITIES, RESPECTIVE OFFICIERS, EMPLOYEES, AND AGENTS FROM ANY AND ALL CLAIMS, COSTS, EXPENSES, DAMAGES, JUDGEMENTS, OR OTHER LOSSES INCLUDING THE COST OF INVESTIGATION AND LITIGATION AND REASONABLE ATTORNEY'S FEES ARISING OUT OF THE USE OF THE FCI AUTOMOTIVE INFORMATION.
   - E. USER IS RESPONSIBLE FOR ANY SPECIFIC APPLICATION OF THE FCI AUTOMOTIVE INFORMATION.
2. MANUFACTURER RECOMMENDS USE OF FCI AUTOMOTIVE SUPPLIED TERMINALS WITH THE CAVITY DESIGN SHOWN IN DRAWING.
3. FCI AUTOMOTIVE INFORMATION CANNOT BE USED BY ANY PERSON OR ENTITY FOR ANY PURPOSE OTHER THAN FORD APPLICATION.
4. ANY USE OF THE INFORMATION SHOWN ON THE DRAWING REQUIRES THE PRIOR WRITTEN CONSENT OF FCI AUTOMOTIVE OR FORD MOTOR COMPANY.

REFERENCE	FCI - AUTOMOTIVE (7362) FOR INFORMATION CONTACT: FCI - AUTOMOTIVE (7362)		
PART MUST COMPLY WITH MATERIAL SPECIFICATION WSS-M99P9999-A1 TO HELP SAFEGAURD HEALTH, SAFETY AND THE ENVIRONMENT.			
DRAFTED IN ACCORDANCE WITH FAO ENGINEERING DRAFTING STANDARD CURRENT AT INITIAL RELEASE		3 RD ANGLE PROJ DIMENSIONS IN MILLIMETERS	
CAD TYPE X-PROE	CAD LOC. N/A	CAD FILE	DTM IS MASTER
OPER. NO.	UNIT	DRAWING F8VB-14474-AA	
DESIGN JAB	DETAIL TL	TITLE TERMINAL - (2.8MM) WIRE SNAP ON FEMALE	SHT 2 OF 2
CHECKED SSS	SAFETY		
SCALE 6:1	DATE 20070707	DIVISION PLANT	

DRW SIZE A0/E