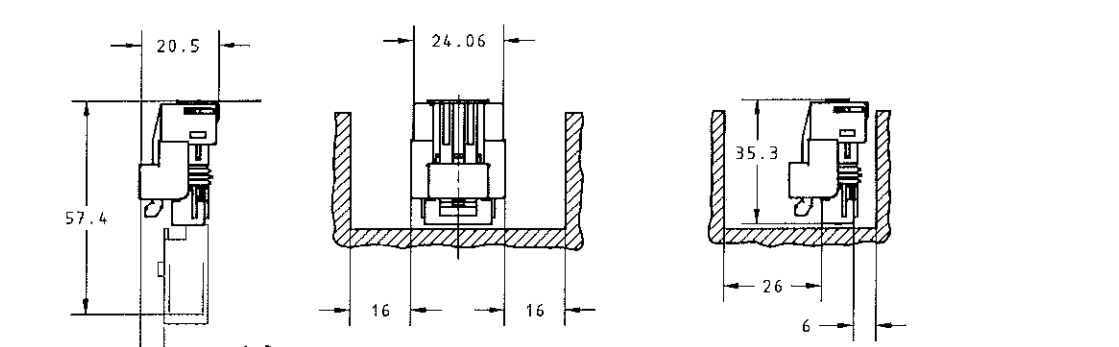
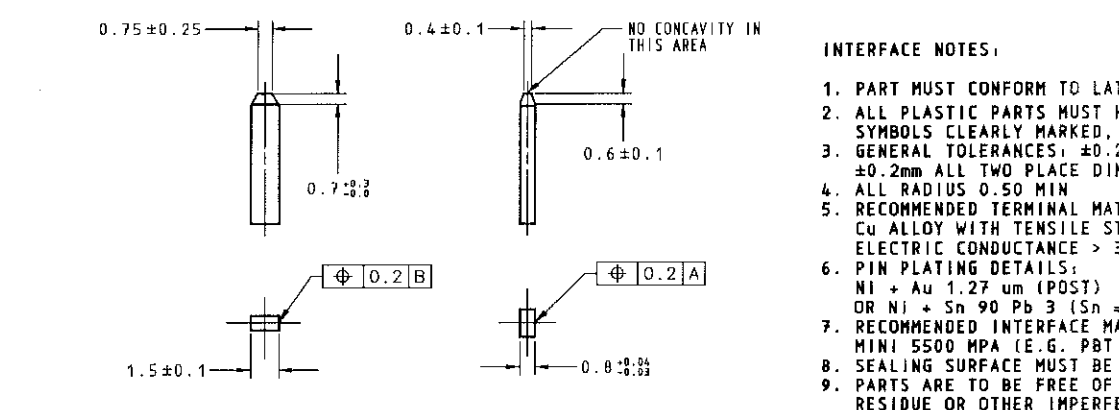


INSTALLATION OVERALL DIMENSIONS



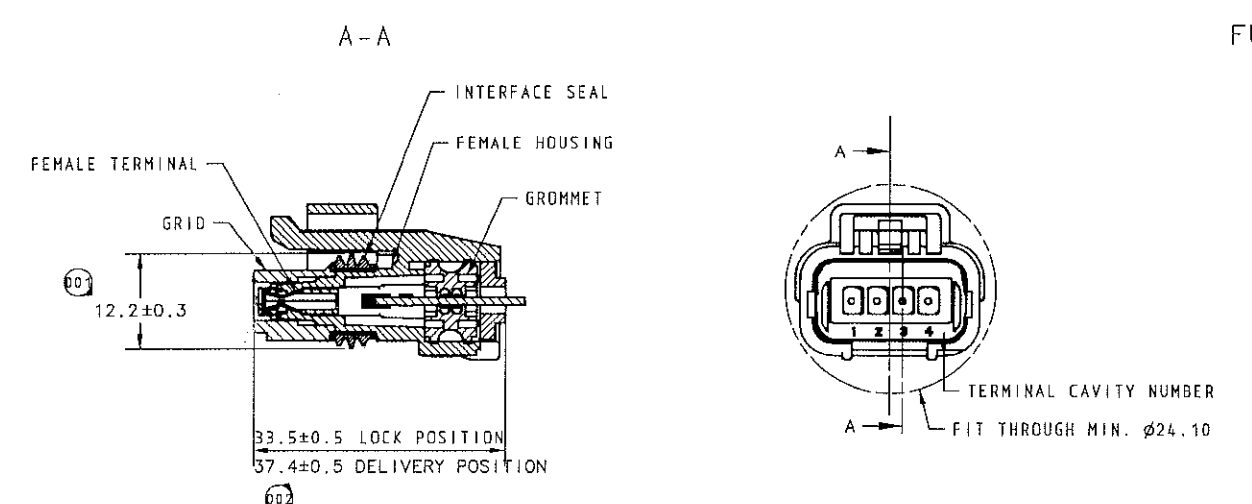
1.5 x 0.8 MALE TERMINAL SIZE 5:1



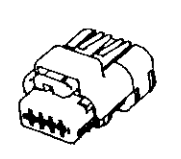
- INTERFACE NOTES:**
- PART MUST CONFORM TO LATEST LEVEL OF USCAR DATED 00/10/03
 - ALL PLASTIC PARTS MUST HAVE MATERIAL IDENTIFICATION SYMBOLS CLEARLY MARKED, WHEREVER PACKAGE SIZE PERMITS
 - GENERAL TOLERANCES: ±0.2mm ALL ONE PLACE DIMENSION, ±0.2mm ALL TWO PLACE DIMENSIONS, ±2° ALL ANGULAR DIMENSIONS
 - ALL RADIUS 0.50 MIN
 - RECOMMENDED TERMINAL MATERIAL: Cu ALLOY WITH TENSILE STRENGTH > 600N/mm² ELECTRIC CONDUCTANCE > 30 Sm/mm² (>50% IACS)
 - PIN PLATING DETAILS: Ni + Au 1.27 um (POST) OR Ni + Sn 90 Pb 3 (Sn = 90%) (POST)
 - RECOMMENDED INTERFACE MATERIAL: MODULUS OF ELASTICITY MIN 5500 MPA (E.G. PBT 15% GLASS FIBER)
 - SEALING SURFACE MUST BE SMOOTH AND FREE OF PARTING LINES
 - PARTS ARE TO BE FREE OF SCRATCHES, DISCOLORATION, SALT RESIDUE OR OTHER IMPERFECTIONS THAT MAY AFFECT FUNCTION OR FIT OF PART



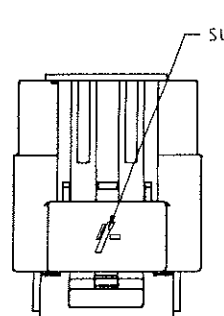
1:1



FULL SIZE VIEW

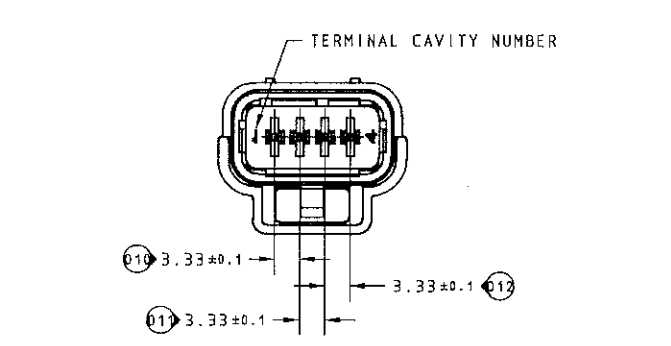
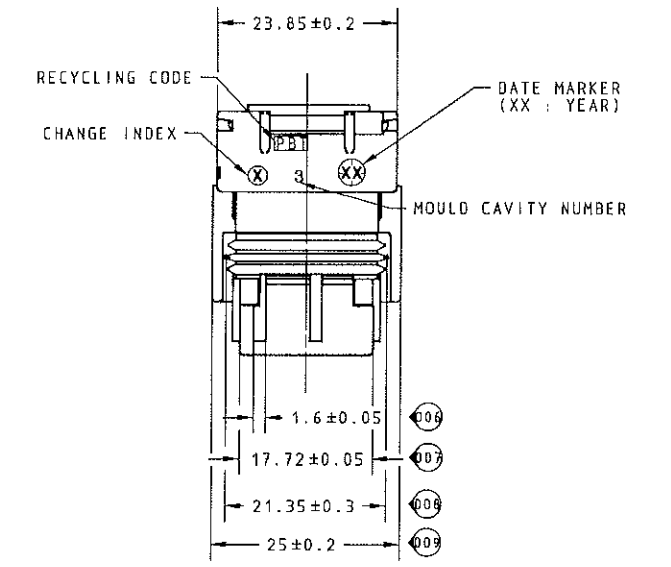
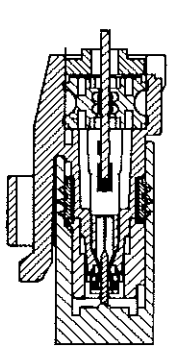


1:1



1:1

FULL ASSEMBLY POSITION A-A



- NOTES:**
- PART MUST CONFORM TO THE ELECTRICAL CONNECTION SYSTEM DESIGN SPECIFICATION (SDS) VER. 6 DATED 03-DEC-99 EXCEPT: ELO01 / ELO017 / ELO036 / ELO068 / ELO076
 - PART MUST CONFORM TO THE LATEST LEVEL OF USCAR DATED 00/10/03 (B), CARRYOVER FROM PSA
 - REFERENCE TO ANY OTHER SPECIFICATIONS AND REV LEVEL e.g VDA
 - MAXIMUM INSERTION FORCE FULLY POPULATED WITH TIN TERMINALS = 75N WITH GOLD TERMINALS = 75N
 - TERMINAL EXTRACTION TOOL: REFERENCE 211 S 015 GRID UNLOCKING TOOL: REFERENCE 210 S 040
 - ALL PLASTIC PARTS MUST HAVE MATERIAL IDENTIFICATION SYMBOLS CLEARLY MARKED, WHEREVER PACKAGE SIZE PERMITS
 - FORD MOTOR COMPANY APPROVAL REQUIRED FOR ALL SOURCING AND TOOLING OF THIS PART
 - FOR ENGINEERING APPROVED SOURCE SEE ENGINEERING RELEASE
 - ENGINEERING APPROVAL OF SAMPLE FROM EACH SUPPLIER IS REQUIRED PRIOR TO AUTHORIZATION OF PART PRODUCTION
 - CHANGES IN DESIGN COMPOSITION OR PROCESSING FROM THE PART PREVIOUSLY APPROVED FOR PART PRODUCTION REQUIRES PRIOR ENGINEERING APPROVAL
 - GENERAL TOLERANCES ±0.2 mm ALL ONE PLACE DIMENSION, ±0.2 mm ALL TWO PLACE DIMENSION, ±2° ALL ANGULAR DIMENSION
 - FEED THROUGH CONDITION 1.6 MIN HOLE SIZE TO GIVE 2MM TOTAL CLEARANCE ACROSS THE MAXIMUM DIAMETER
 - 0.3mm MAXIMUM RADIUS PERMISSIBLE ON EDGES AND FILLETS SHOWN AS SHARP PLASTIC PARTS
 - ALL RADIUS 0.5 mm MIN
 - ☐ DENOTES GAGE DESIGN, GAGE DESIGNS MUST HAVE SIGNED ENGINEERING APPROVAL PRIOR TO CONSTRUCTION AND WILL BE A CONDITION OF FINAL PART APPROVAL
 - PARTS ARE TO BE FREE OF SCRATCHES, DISCOLORATION, SALT RESIDUE OR OTHER IMPERFECTIONS THAT MAY AFFECT FUNCTION OR FIT OF PART
 - SOURCE IDENTIFICATION MARK, PRODUCTION DATE CODE & FORD ASSEMBLY PART NO. MUST BE PERMANENTLY APPLIED ON THE PART WITH 1.5mm LETTER SIZE FROM THE BOTTOM TO THE TOP OF THE CHARACTER AND LEGIBLE WHEREVER PACKAGE SIZE PERMITS OF OTHER AGREEMENTS ARE MADE - NOT APPLICABLE, CARRYOVER PARTS FROM PSA
 - CORPORATE POSITIVE LINE VERSION TRADEMARK MUST BE PERMANENTLY APPLIED ON THE PART WITH 3mm LETTER SIZE FROM THE BOTTOM TO THE TOP OF THE CHARACTER AND LEGIBLE WHEREVER PACKAGE SIZE PERMITS OF OTHER AGREEMENTS ARE MADE - NOT APPLICABLE, CARRYOVER PART FROM PSA
 - DRAWING CONFORMS TO AVP- (T401/T406) - 001 REVISION B DATED 20-NOV-01.
 - TERMINAL CAVITY DESIGN ACCORDING DRAWINGS 1MST-14474-EA OR 95BG-14474-TAA
 - ☐ SPE CONTROL ITEM DIMENSION NOT APPLICABLE, CARRYOVER PARTS FROM PSA
 - Ø0 - Ø11 1:5:1:R. DIMENSION
 - PARTS MUST COMPLY WITH MATERIAL BLACK/GREY BOX PROGRAM WSS-M99P23-B

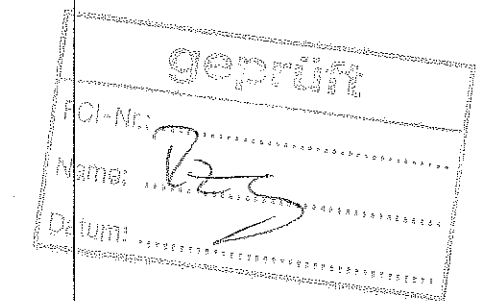
ASSEMBLY PART NO.		MATING COMPONENTS	
FORD COMPONENT PART NO.	SUPPLIER COMPONENT PART NO.	MAX. TEMP.	APPLICABLE WIRE SIZE FOR THIS CONN. (mm ²)
3MST-14A464-FDA	211 PC 04 2 S 8 041	-40°C - 125°C	0.75 / 1.0 / 1.5
	211 PC 04 2 S 6 041	-40°C - 125°C	0.75 / 1.0 / 1.5
	211 PC 04 2 S 4 041	-40°C - 125°C	0.75 / 1.0 / 1.5

ITEM	DESCRIPTION	COLOR	FORD COMPONENT PART NO.	SUPPLIER COMPONENT PART NO.	MATERIAL /SPEC. NO.	WEIGHT	NO OF ITEMS REQUIRES
1	FEMALE HOUSING	BLACK	N/A	211 I 0 022	PBT	5.6g	1 1 1
2	GRID	GREY	N/A	211 M 8 052	PBT GF 15K	1.1g	1
2	GRID	BLUE	N/A	211 M 6 052	PBT GF 15K	1.1g	1
2	GRID	YELLOW	N/A	211 M 4 052	PBT GF 15K	1.1g	1
3	GROMMET	RED	N/A	211 M 054	SILICON RUBBER	1g	1 1 1
4	INTERFACE SEAL	BLUE	N/A	211 M 076	SILICON RUBBER	0.3g	1 1 1

APPLICABLE COMPONENTS						
ITEM	DESCRIPTION	TYPE	FORD COMPONENT PART NO.	SUPPLIER COMPONENT PART NO.	MATERIAL /SPEC. NO.	WEIGHT
S	FEMALE TERMINAL	N/A	95BG-14474-YAA	211 CC 2S 1241	1,27 um Au	0,52g
S	FEMALE TERMINAL	N/A	95BG-14474-TAA	211 CC 2S 1240	1,27 um Au	0,52g
S	FEMALE TERMINAL	N/A	95BG-14474-SBA	211 CC 2S 2120	Sn	0,52g
S	FEMALE TERMINAL	N/A	95BG-14474-SAA	211 CC 2S 1120	Sn	0,52g

FORD P/N	211 PC 04 2 S 6 041	3MST-14A464-FDA	211 PC 04 2 S 8 041
SUPPLIER P/N	211 PC 04 2 S 6 041	211 PC 04 2 S 8 041	211 PC 04 2 S 4 041
GRID COLOR	BLUE	GREY	YELLOW
TOLERANCE: ±0.05			
TOLERANCE: ±0.1			

ARCHIVE LE 16/10/03



25. Aug. 2003

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REFERENCE		MP-3M51-180101-04_D2_C	
PART MUST COMPLY WITH MATERIAL SPECIFICATION WSS-M99P9999-A1 TO HELP SAFEGUARD HEALTH, SAFETY AND THE ENVIRONMENT			
DRAFTED IN ACCORDANCE WITH FORD MOTOR COMPANY ENGINEERING CAD AND DRAFTING STANDARDS CURRENT AT INITIAL RELEASE		3RD ANGLE PROJ. DIMENSIONS ARE IN MILLIMETERS	
CAD TYPE	CAD LOC.	CAD FILE	CAD
1-IDEAS	METAPH	DRW 3MST-14A464-FD	15 MASTER
OPER. NO.	UNIT	DRAWING	3MST-14A464-FDA
N/A	N/A		
DESIGN	DETAIL	TITLE	SHT 1
FCI	FCI	SLV ASY WIR CONN FEM	DF 1
CHECKED	SAFETY		AS
FCI	N/A		SHOWN
SCALE	DATE	DIVISION	
2:1	020226	PLANT	

