

8. GROUNDING SPRING MUST BE FIELD REPLACEABLE. SIZE 8 & 10 ARE IRIS SPRING ALL OTHER SIZES ARE LEAF SPRING DESIGN.

7. FOR THIS CONNECTOR, INCLUDE TWO CHROMEL AND TWO ALUMEL SOCKET CONTACTS. SHALL CONFORM TO ANSI SPEC MC 96.1 1982.

6. FOR THIS CONNECTOR, INCLUDE ONE CHROMEL AND ONE ALUMEL SOCKET CONTACT. SHALL CONFORM TO ANSI SPEC MC 96.1 1982.

5. PLASTIC PROTECTIVE DUST CAPS ARE TO BE ASSEMBLED EXTERNALLY OVER THE FRONT END OF THE COUPLING RING.

4. SHELL MATERIAL: STAINLESS STEEL PER AMS5640 SHELL FINISH: ELECTRODEPOSITED NICKEL IN ACCORDANCE WITH QQ-N-290 CLASS 2, 0.0001 TO 0.0002 INCHES THICK, COUPLING RING PASSIVATED.

3. ELECTRICAL CONTACT FINISH: 0.000050 MIN. THICK GOLD PER MIL-G-45204 OVER 0.000050 MIN. THICK NICKEL PER QQ-N-290 AS MEASURED ON CONTACT ENGAGING SURFACES. THERMOCOUPLES ARE NOT PLATED DEUTSCH CONTACT PART NUMBERS

SIZE	STANDARD	ALUMEL	CHROMEL
20	8062-201-2031	0603-15-2001	0603-16-2001
16	8062-201-1631	0603-15-1601	0603-16-1601
12	8062-201-1231	N/A	N/A

TORQUE REQUIRED TO ROTATE COUPLING RING OF PLUG IN EITHER DIRECTION WHEN UNMATED SHALL FALL WITHIN LIMITS GIVEN IN TABLE EXCEPT TORQUE VALUES IN COUPLING DIRECTION MAY BE 0.1 LB/IN MINIMUM. TORQUE VALUES USED SHALL BE AVERAGE OF DETENT VALUES IN ONE REVOLUTION OF COUPLING NUT FOLLOWING 2 REVOLUTIONS IN LOOSENING DIRECTION. THIS REQUIREMENT CAN BE MET BY MEASURING EVERY FOURTH DETENT.

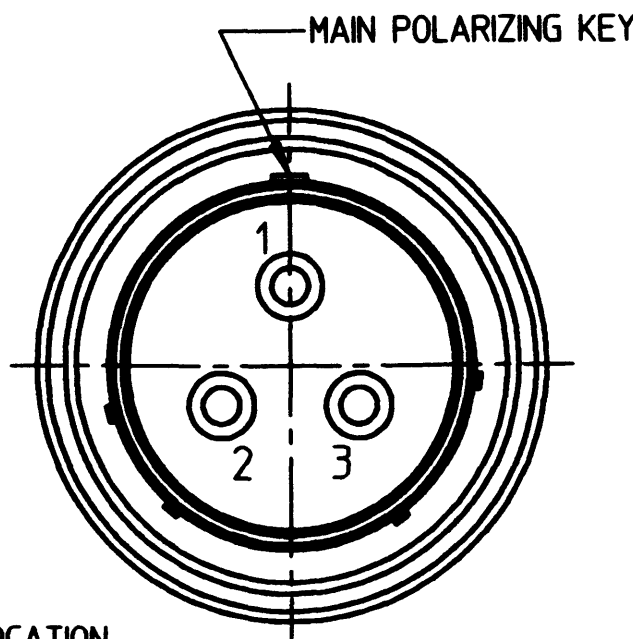
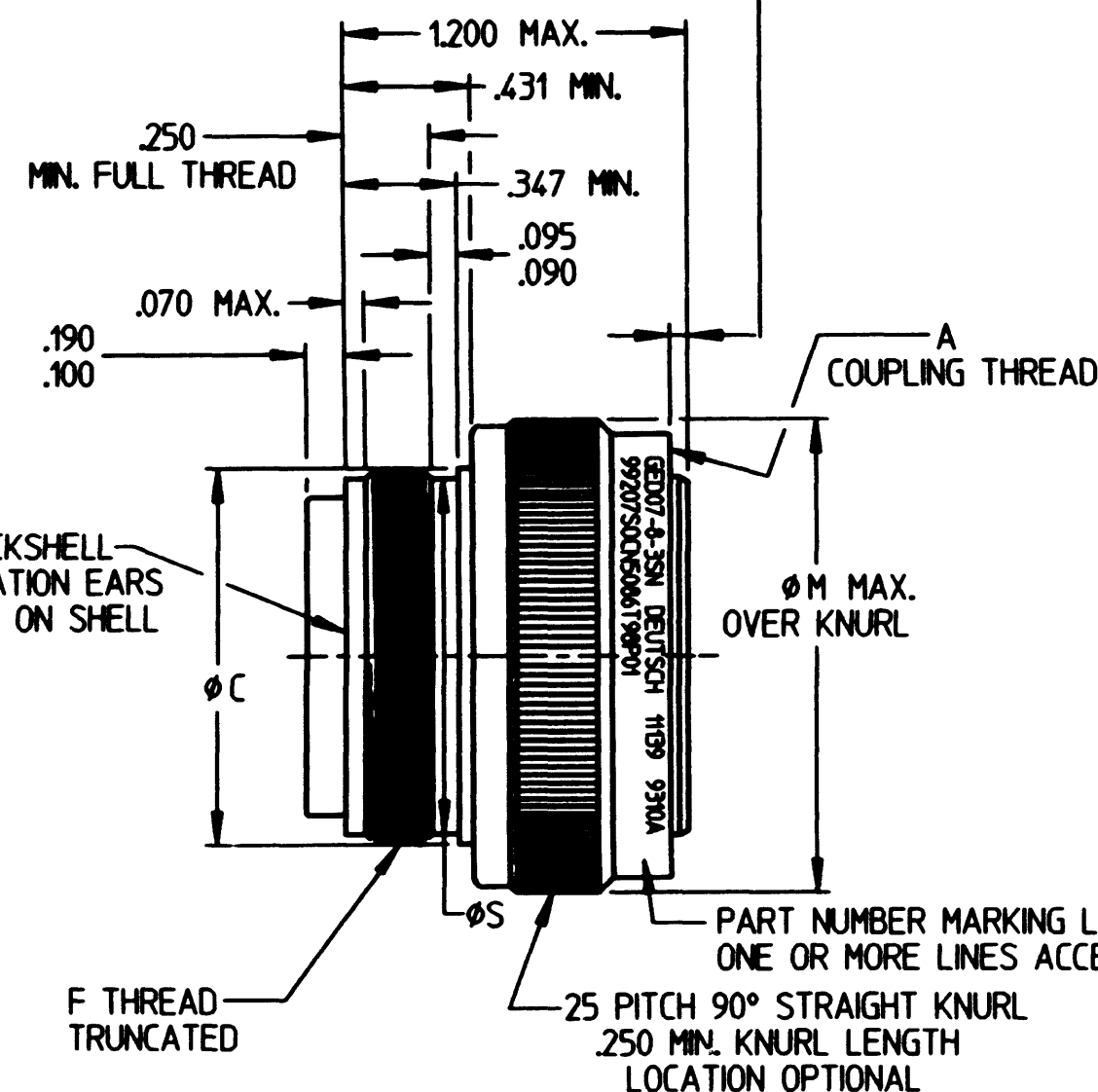
1. ALL CONTACTS PLUS GROMMET SEALING PLUGS SHALL BE SUPPLIED UNASSEMBLED TO CONNECTOR AND ONE CONTACT INSERTION/REMOVAL TOOL SHALL BE SUPPLIED WITH EACH CONNECTOR.

N/C GED07-***S*

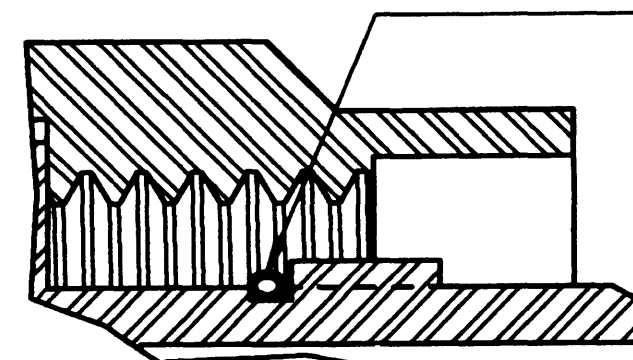
REV	DESCRIPTION	DATE	APPROVED
N/C	NEW RELEASE PER E.O. C1621	4-1-94	

APPLICABLE NOTES	M MAX.	SHELL MATL.	TORQUE-IN/LBS MIN. MAX.	C	S+.000 -.004	LBS. MAX.	A THREAD	F THREAD	SIMILAR TO	DEUTSCH PART NUMBER	GE PART NUMBER
1 THRU 5.788	1.203	ST STEEL	1.5 4.5	.847-.851	.806	.119	.9375-20UNEF-2B	.875 -20UNEF-2A	M83723/95N14-07N	GED07-14B7SN	5086T98P38
1 THRU 5.88	.832	ST STEEL	0.5 2.0	.476-.480	.431	.059	.5625-24UNEF-2B	.500 -20UNF-2A	M83723/95N8-98N	GED07-8-98SN	5086T98P37
1 THRU 5.788	.958	ST STEEL	0.9 2.7	.602-.606	.560	.079	.6875-24UNEF-2B	.625 -24UNEF-2A	M83723/95N10-05N	GED07-10B5SN	5086T98P36
1 THRU 6.88	1.090	ST STEEL	1.2 3.5	.729-.733	.681	.099	.875 -20UNEF-2B	.750 -20UNEF-2A	M83723/95N12-03N	GED07-12A3SN	5086T98P35
1 THRU 5.88	1.432	ST STEEL	1.8 4.5	1.031-1.035	.988	.163	1.1875-18UNEF-2B	1.0625-18UNEF-2A	M83723/95N18-08N	NONE	5086T98P34
1 THRU 6.88	1.326	ST STEEL	1.5 4.5	.972-.976	.931	.143	1.0625-18UNEF-2B	1.000 -20UNEF-2A	M83723/95N16-24N	GED07-16A24SN	5086T98P33
1 THRU 5.88	.832	ST STEEL	0.5 2.0	.476-.480	.431	.059	.5625-24UNEF-2B	.500 -20UNF-2A	M83723/95N8-038	GED07-8-3S8	5086T98P32
1 THRU 5.88	1.090	ST STEEL	1.2 3.5	.729-.733	.681	.099	.875 -20UNEF-2B	.750 -20UNEF-2A	M83723/95N12-036	GED07-12-3S6	5086T98P31
1 THRU 5.88	.958	ST STEEL	0.9 2.7	.602-.606	.560	.079	.6875-24UNEF-2B	.625 -24UNEF-2A	M83723/95N10-058	GED07-10-5S8	5086T98P30
1 THRU 5.88	.958	ST STEEL	0.9 2.7	.602-.606	.560	.079	.6875-24UNEF-2B	.625 -24UNEF-2A	M83723/95N10-057	GED07-10-5S7	5086T98P29
1 THRU 6.88	1.432	ST STEEL	1.8 4.5	1.031-1.035	.988	.164	1.1875-18UNEF-2B	1.0625-18UNEF-2A	M83723/95N18-14N	GED07-18A14SN	5086T98P28
1 THRU 5.788	1.682	ST STEEL	2.0 5.0	1.281-1.285	1.237	.231	1.4375-18UNEF-2B	1.3125-18UNEF-2A	M83723/95N22-19N	GED07-22B19SN	5086T98P27
1 THRU 5.88	1.090	ST STEEL	1.2 3.5	.729-.733	.681	.102	.875 -20UNEF-2B	.750 -20UNEF-2A	M83723/95N12-126	GED07-12-12S6	5086T98P26
1 THRU 6.88	1.326	ST STEEL	1.5 4.5	.972-.976	.931	.143	1.0625-18UNEF-2B	1.000 -20UNEF-2A	M83723/95N16-246	GED07-16A24S6	5086T98P25
1 THRU 5.88	.832	ST STEEL	0.5 2.0	.476-.480	.431	.059	.5625-24UNEF-2B	.500 -20UNF-2A	M83723/95N8-037	GED07-8-3S7	5086T98P24
1 THRU 5.88	.832	ST STEEL	0.5 2.0	.476-.480	.431	.059	.5625-24UNEF-2B	.500 -20UNF-2A	M83723/95N8-036	GED07-8-3S6	5086T98P23
1 THRU 5.788	1.203	ST STEEL	1.5 4.5	.847-.851	.806	.121	.9375-20UNEF-2B	.875 -20UNEF-2A	M83723/95N14-15N	GED07-14B15SN	5086T98P22
1 THRU 6.88	1.203	ST STEEL	1.5 4.5	.847-.851	.806	.119	.9375-20UNEF-2B	.875 -20UNEF-2A	M83723/95N14-07N	GED07-14A7SN	5086T98P21
1 THRU 6.88	1.432	ST STEEL	1.8 4.5	1.031-1.035	.988	.163	1.1875-18UNEF-2B	1.0625-18UNEF-2A	M83723/95N18-31N	GED07-18A31SN	5086T98P20
1 THRU 5.88	1.203	ST STEEL	1.5 4.5	.847-.851	.806	.119	.9375-20UNEF-2B	.875 -20UNEF-2A	M83723/95N14-07N	GED07-14-7SN	5086T98P19
1 THRU 5.88	1.682	ST STEEL	2.0 5.0	1.281-1.285	1.237	.231	1.4375-18UNEF-2B	1.3125-18UNEF-2A	M83723/95N22-19N	GED07-22-19SN	5086T98P18
1 THRU 5.88	1.432	ST STEEL	1.8 4.5	1.031-1.035	.988	.164	1.1875-18UNEF-2B	1.0625-18UNEF-2A	M83723/95N18-14N	GED07-18-14SN	5086T98P17
1 THRU 5.88	.958	ST STEEL	0.9 2.7	.602-.606	.560	.079	.6875-24UNEF-2B	.625 -24UNEF-2A	M83723/95N10-056	GED07-10-5S6	5086T98P16
1 THRU 5.88	1.682	ST STEEL	2.0 5.0	1.281-1.285	1.237	.241	1.4375-18UNEF-2B	1.3125-18UNEF-2A	M83723/95N22-55N	GED07-22-55SN	5086T98P15
1 THRU 5.88	1.326	ST STEEL	1.5 4.5	.972-.976	.931	.143	1.0625-18UNEF-2B	1.000 -20UNEF-2A	M83723/95N16-246	GED07-16-24S6	5086T98P14
1 THRU 5.88	1.326	ST STEEL	1.5 4.5	.972-.976	.931	.143	1.0625-18UNEF-2B	1.000 -20UNEF-2A	M83723/95N16-24N	GED07-16-24SN	5086T98P13
1 THRU 5.88	1.203	ST STEEL	1.5 4.5	.847-.851	.806	.121	.9375-20UNEF-2B	.875 -20UNEF-2A	M83723/95N14-15N	GED07-14-15SN	5086T98P12
1 THRU 5.88	.958	ST STEEL	0.9 2.7	.602-.606	.560	.079	.6875-24UNEF-2B	.625 -24UNEF-2A	M83723/95N10-05N	GED07-10-5SN	5086T98P11
1 THRU 5.88	.958	-----	0.9 2.7	.602-.606	.560	.079	.6875-24UNEF-2B	.625 -24UNEF-2A	M83723/95R10-056	NONE	5086T98P10
1 THRU 5.88	1.682	-----	2.0 5.0	1.281-1.285	1.237	.241	1.4375-18UNEF-2B	1.3125-18UNEF-2A	M83723/95R22-55N	NONE	5086T98P09
1 THRU 5.88	1.432	ST STEEL	1.8 4.5	1.031-1.035	.988	.163	1.1875-18UNEF-2B	1.0625-18UNEF-2A	M83723/95N18-31N	GED07-18-31SN	5086T98P08
1 THRU 5.88	1.326	-----	1.5 4.5	.972-.976	.931	.143	1.0625-18UNEF-2B	1.000 -20UNEF-2A	M83723/95R16-246	NONE	5086T98P07
1 THRU 5.88	1.326	-----	1.5 4.5	.972-.976	.931	.143	1.0625-18UNEF-2B	1.000 -20UNEF-2A	M83723/95R16-24N	NONE	5086T98P06
1 THRU 5.88	1.203	-----	1.5 4.5	.847-.851	.806	.121	.9375-20UNEF-2B	.875 -20UNEF-2A	M83723/95R14-15N	NONE	5086T98P05
1 THRU 5.88	1.090	ST STEEL	1.2 3.5	.729-.733	.681	.102	.875 -20UNEF-2B	.750 -20UNEF-2A	M83723/95N12-12N	GED07-12-12SN	5086T98P04
1 THRU 5.88	1.090	ST STEEL	1.2 3.5	.729-.733	.681	.099	.875 -20UNEF-2B	.750 -20UNEF-2A	M83723/95N12-03N	GED07-12-3SN	5086T98P03
1 THRU 5.88	.958	-----	0.9 2.7	.602-.606	.560	.079	.6875-24UNEF-2B	.625 -24UNEF-2A	M83723/95R10-05N	NONE	5086T98P02
1 THRU 5.88	.832	ST STEEL	0.5 2.0	.476-.480	.431	.059	.5625-24UNEF-2B	.500 -20UNF-2A	M83723/95N8-03N	GED07-8-3SN	5086T98P01

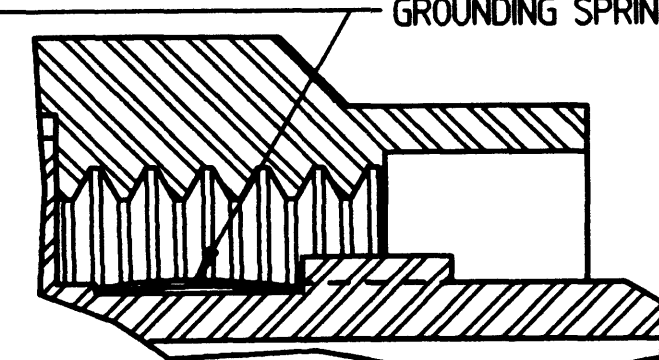
.090-.100 COUPLING RING IN REAR POSITION .048-.068 WHEN COUPLING RING IS FORWARD UNDER LOAD.



SHELL & SOCKET ARRANGEMENT 8-03 SHOWN (P01) (3 SOCKETS) (ALL INSERT ARRANGEMENTS CONFORM TO MIL-STD-1554)



SIZE 8 AND 10



SIZE 12 THRU 22

CONNECTOR MARKING (SAMPLE)

GED07-8-3-SN DEUTSCH 11139 9319A

DATE CODE PER CAGE CODE OR SYMBOL DEUTSCH PART NUMBER

99207S0CN5086T98P01

GE PART NUMBER

SIGNATURE & DATE	
DR	D.WHITACRE 10/19/93
CHK	J.Powell 4-1-94
PE	TIM HOLT 10/19/93
APPD	
SCALE	NONE 1 WT

CONNECTOR, PLUG
NON-DECOUPLING
NICKEL PLATED WITH GROUNDING SPRING
FOR GEAE
ENVELOPE

CP	MATL CODE
DEUTSCH ENGINEERED CONNECTING DEVICES Municipal Airport Banning, California	
C	GED07-***S*
DWG SIZE	CODE 11139
SHEET 1 OF 2	

GED07CROSS_B

N/C GED07-***-S*

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
N/C	SEE SHEET 1	4-1-94	S

INCLUDING
CONTACTS

APPLICABLE NOTES	M	SHELL	TORQUE-IN/LBS		C	S+.000	LBS.	A THREAD	F THREAD	SIMILAR TO	DEUTSCH	GE
	MAX.	MATL.	MIN.	MAX.		-.004	MAX.				PART NUMBER	PART NUMBER
1 THRU 5&8	1.203	ST STEEL	1.5	4.5	.847-.851	.806	.119	.9375-20UNEF-2B	.875 -20UNEF-2A	M83723/95N14-076	GED07-14-7S6	5086T98P59
1 THRU 5&8	1.682	ST STEEL	2.0	5.0	1.281-1.285	1.237	.228	1.4375-18UNEF-2B	1.3125-18UNEF-2A	M83723/95N22-196	GED07-22-19S6	5086T98P58
1 THRU 5&8	1.545	ST STEEL	1.8	4.5	1.156-1.160	1.112	.199	1.3125-18UNEF-2B	1.1875-18UNEF-2A	M83723/95N20-418	GED07-20-41S8	5086T98P57
1 THRU 5&8	1.545	ST STEEL	1.8	4.5	1.156-1.160	1.112	.199	1.3125-18UNEF-2B	1.1875-18UNEF-2A	M83723/95N20-417	GED07-20-41S7	5086T98P56
1 THRU 5&8	1.545	ST STEEL	1.8	4.5	1.156-1.160	1.112	.199	1.3125-18UNEF-2B	1.1875-18UNEF-2A	M83723/95N20-416	GED07-20-41S6	5086T98P55
1 THRU 5&8	1.545	ST STEEL	1.8	4.5	1.156-1.160	1.112	.199	1.3125-18UNEF-2B	1.1875-18UNEF-2A	M83723/95N20-41N	GED07-20-41SN	5086T98P54
1 THRU 5&8	1.432	ST STEEL	1.8	4.5	1.031-1.035	.988	.160	1.1875-18UNEF-2B	1.0625-18UNEF-2A	M83723/95N18-318	GED07-18-31S8	5086T98P53
1 THRU 5&8	1.432	ST STEEL	1.8	4.5	1.031-1.035	.988	.160	1.1875-18UNEF-2B	1.0625-18UNEF-2A	M83723/95N18-317	GED07-18-31S7	5086T98P52
1 THRU 5&8	1.432	ST STEEL	1.8	4.5	1.031-1.035	.988	.160	1.1875-18UNEF-2B	1.0625-18UNEF-2A	M83723/95N18-316	GED07-18-31S6	5086T98P51
1 THRU 5&8	1.326	ST STEEL	1.5	4.5	.972-.976	.931	.141	1.0625-18UNEF-2B	1.000 -20UNEF-2A	M83723/95N16-24Y	GED07-16-24SY	5086T98P50
1 THRU 5&8	1.326	ST STEEL	1.5	4.5	.972-.976	.931	.141	1.0625-18UNEF-2B	1.000 -20UNEF-2A	M83723/95N16-249	GED07-16-24S9	5086T98P49
1 THRU 5&8	1.326	ST STEEL	1.5	4.5	.972-.976	.931	.141	1.0625-18UNEF-2B	1.000 -20UNEF-2A	M83723/95N16-248	GED07-16-24S8	5086T98P48
1 THRU 5&8	1.326	ST STEEL	1.5	4.5	.972-.976	.931	.141	1.0625-18UNEF-2B	1.000 -20UNEF-2A	M83723/95N16-247	GED07-16-24S7	5086T98P47
1 THRU 5&8	1.090	ST STEEL	1.2	3.5	.729-.733	.681	.100	.875 -20UNEF-2B	.750 -20UNEF-2A	M83723/95N12-12Y	GED07-12-12SY	5086T98P46
1 THRU 5&8	1.090	ST STEEL	1.2	3.5	.729-.733	.681	.100	.875 -20UNEF-2B	.750 -20UNEF-2A	M83723/95N12-129	GED07-12-12S9	5086T98P45
1 THRU 5&8	1.090	ST STEEL	1.2	3.5	.729-.733	.681	.100	.875 -20UNEF-2B	.750 -20UNEF-2A	M83723/95N12-128	GED07-12-12S8	5086T98P44
1 THRU 5&8	1.090	ST STEEL	1.2	3.5	.729-.733	.681	.100	.875 -20UNEF-2B	.750 -20UNEF-2A	M83723/95N12-127	GED07-12-12S7	5086T98P43
1 THRU 5&8	.958	ST STEEL	0.9	2.7	.602-.606	.560	.078	.6875-24UNEF-2B	.625 -24UNEF-2A	M83723/95N10-05Y	GED07-10-5SY	5086T98P42
1 THRU 5&8	.958	ST STEEL	0.9	2.7	.602-.606	.560	.078	.6875-24UNEF-2B	.625 -24UNEF-2A	M83723/95N10-059	GED07-10-5S9	5086T98P41
1 THRU 5&8	.832	ST STEEL	0.5	2.0	.476-.480	.431	.058	.5625-24UNF-2B	.500 -20UNF-2A	M83723/95N8-987	GED07-8-98S7	5086T98P40
1 THRU 5&8	.832	ST STEEL	0.5	2.0	.476-.480	.431	.058	.5625-24UNF-2B	.500 -20UNF-2A	M83723/95N8-986	GED07-8-98S6	5086T98P39

NOTES: SEE SHEET 1.

SIGNATURE & DATE		CONNECTOR, PLUG NON-DECOUPLING NICKEL PLATED WITH GROUNDING SPRING FOR GEAE ENVELOPE	CP	MATL CODE	
DF	D.WHITACRE 10/19/93		DEUTSCH ENGINEERED CONNECTING DEVICES Municipal Airport Banning, California		
CHK	Jo Powell 4-1-94		C	GED07-***-S*	
PE	TIM HOLT 10/19/93			DWG SIZE	CODE 11139
APPD				SHEET 2 OF 2	
SCALE NONE 1 WT					

GED07CROSS.B.2