



- 10. KEYWAY ARRANGEMENT PER MIL-STD-1554 FOR SIZE 18-31 (06) POLARIZATION EXCEPT WITHOUT 'B' (149°) AND 'D' (259°) KEYS.
- 9. KEYWAY ARRANGEMENT PER MIL-STD-1554 FOR SIZE 18-31 NORMAL POLARIZATION EXCEPT WITHOUT 'B' (140°) KEY.
- 8. FOR THIS CONNECTOR, INCLUDE FOUR CHROMEL AND THREE ALUMEL SOCKET CONTACTS. SHALL CONFORM TO ANSI SPEC MC 96.1 1982.
- 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: 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.

SHELL SIZE	POLARIZING POSITION	KEY POSITIONS			
		A	B	C	D
18	N	105	140	215	265
	06	18	149	192	259
	07	92	152	222	342
	08	84	152	204	334
	09	24	135	199	240
	10 (Y)	98	152	268	338

GENERAL ELECTRIC AIRCRAFT ENGINES CONTROLLED DRAWING OR DOCUMENT CHANGES MADE PER SOP 79-07-008 ONLY

CONNECTOR MARKING (SAMPLE)
 GED16-12-12-SN
 OR
 GED16-18-13-S11 DEUTSCH 11139 9319A
 DATE CODE
 CAGE CODE
 OR SYMBOL
 DEUTSCH PART NUMBER
 99207S0CNS122T00P05
 OR
 99207S0CNS122T01P03
 GE PART NUMBER

SIGNATURE & DATE	
DR	M. HARDY 4/1/94
CHK	J. Powell 6-3-94
PE	TIM HOLT 4/1/94
APPD	
SCALE	NONE WT

CONNECTOR, PLUG
 NON-DECOUPLING
 SCOOP PROOF
 FOR GEAE
 ENVELOPE

CP	MIL CODE
DEUTSCH	
ENGINEERED CONNECTING DEVICES	
Municipal Airport Banning, California	
C	GED16-**-**S*
DWG SIZE	CODE 1189
	SHEET 1 of 2

WT.
INCLUDING CONTACTS



APPLICABLE NOTES	A ±.028	B ±.007	C ±.023	LBS. MAX.	TORQUE-LB-IN MIN. MAX.	D THREAD	E THREAD	ØF ±.002	+ .000 ØG -.004	H MAX.	J ±.005	+ .000 ØK -.005	L MAX.	ØM MAX.	SIZE & INSERT	SIMILAR TO	GE PART NUMBER	DEUTSCH PART NUMBER
1 THRU 6	.226	.536	.452	.206	1.8 4.5	1.1875-18UNEF-2B	1.0625-18UNEF-2A	1.033	.988	.853	.678	.998	1.367	1.432	18-31SY	M83723/95	5122T00P41	GED16-18A31SY
1 THRU 6	.226	.536	.452	.206	1.8 4.5	1.1875-18UNEF-2B	1.0625-18UNEF-2A	1.033	.988	.853	.678	.998	1.367	1.432	18-31S9	M83723/95	5122T00P40	GED16-18A31S9
1 THRU 6	.226	.536	.452	.206	1.8 4.5	1.1875-18UNEF-2B	1.0625-18UNEF-2A	1.033	.988	.853	.678	.998	1.367	1.432	18-31S8	M83723/95	5122T00P39	GED16-18A31S8
1 THRU 6	.226	.536	.452	.206	1.8 4.5	1.1875-18UNEF-2B	1.0625-18UNEF-2A	1.033	.988	.853	.678	.998	1.367	1.432	18-31S7	M83723/95	5122T00P38	GED16-18A31S7
1 THRU 5	.226	.486	.402	.123	1.2 3.5	.875-20UNEF-2B	.750-20UNEF-2A	.731	.681	.803	.628	.696	1.317	1.090	12-12S7	M83723/95	5122T00P37	GED16-12-12S7
1 THRU 5	.226	.576	.492	.258	2.0 5.0	1.4375-18UNEF-2B	1.3125-18UNEF-2A	1.283	1.237	.893	.718	1.248	1.407	1.682	22-55S7	M83723/95	5122T00P36	GED16-22-55S7
1 THRU 6	.226	.516	.432	.192	1.5 4.5	1.0625-18UNEF-2B	1.000-20UNEF-2A	.974	.931	.833	.658	.892	1.347	1.326	16-24SY	M83723/95	5122T00P35	GED16-16A24SY
1 THRU 5	.226	.576	.492	.258	2.0 5.0	1.4375-18UNEF-2B	1.3125-18UNEF-2A	1.283	1.237	.893	.718	1.248	1.407	1.682	22-55S6	M83723/95	5122T00P34	GED16-22-55S6
1 THRU 5	.226	.536	.452	.206	1.8 4.5	1.1875-18UNEF-2B	1.0625-18UNEF-2A	1.033	.988	.853	.678	.998	1.367	1.432	18-31S9	M83723/95	5122T00P33	GED16-18-31S9
1 THRU 5	.226	.536	.452	.206	1.8 4.5	1.1875-18UNEF-2B	1.0625-18UNEF-2A	1.033	.988	.853	.678	.998	1.367	1.432	18-31S8	M83723/95	5122T00P32	GED16-18-31S8
1 THRU 6	.226	.516	.432	.192	1.5 4.5	1.0625-18UNEF-2B	1.000-20UNEF-2A	.974	.931	.833	.658	.892	1.347	1.326	16-24S9	M83723/95	5122T00P31	GED16-16A24S9
1 THRU 5 & 7	.226	.516	.432	.192	1.5 4.5	1.0625-18UNEF-2B	1.000-20UNEF-2A	.974	.931	.833	.658	.892	1.347	1.326	16-24S6	M83723/95	5122T00P30	GED16-16B24S6
1 THRU 6	.226	.576	.492	.258	2.0 5.0	1.4375-18UNEF-2B	1.3125-18UNEF-2A	1.283	1.237	.893	.718	1.248	1.407	1.682	22-19S6	M83723/95	5122T00P29	GED16-22A19S6
1 THRU 5 & 7	.226	.516	.432	.192	1.5 4.5	1.0625-18UNEF-2B	1.000-20UNEF-2A	.974	.931	.833	.658	.892	1.347	1.326	16-24SN	M83723/95	5122T00P28	GED16-16B24SN
1 THRU 6	.226	.516	.432	.192	1.5 4.5	1.0625-18UNEF-2B	1.000-20UNEF-2A	.974	.931	.833	.658	.892	1.347	1.326	16-24S8	M83723/95	5122T00P27	GED16-16A24S8
1 THRU 6	.226	.536	.452	.206	1.8 4.5	1.1875-18UNEF-2B	1.0625-18UNEF-2A	1.033	.988	.853	.678	.998	1.367	1.432	18-31S6	M83723/95	5122T00P26	GED16-18A31S6
1 THRU 6	.226	.516	.432	.192	1.5 4.5	1.0625-18UNEF-2B	1.000-20UNEF-2A	.974	.931	.833	.658	.892	1.347	1.326	16-24S7	M83723/95	5122T00P25	GED16-16A24S7
1 THRU 5	.226	.516	.432	.192	1.5 4.5	1.0625-18UNEF-2B	1.000-20UNEF-2A	.974	.931	.833	.658	.892	1.347	1.326	16-24S7	M83723/95	5122T00P24	GED16-16-24S7
1 THRU 5 & 7	.226	.536	.452	.206	1.8 4.5	1.1875-18UNEF-2B	1.0625-18UNEF-2A	1.033	.988	.853	.678	.998	1.367	1.432	18-31SN	M83723/95	5122T00P23	GED16-18B31SN
1 THRU 5 & 7	.226	.496	.412	.156	1.5 4.5	.9375-20UNEF-2B	.875-20UNEF-2A	.849	.806	.813	.638	.765	1.327	1.203	14-15SN	M83723/95	5122T00P22	GED16-14B15SN
1 THRU 6	.226	.516	.432	.192	1.5 4.5	1.0625-18UNEF-2B	1.000-20UNEF-2A	.974	.931	.833	.658	.892	1.347	1.326	16-24S6	M83723/95	5122T00P21	GED16-16A24S6
1 THRU 6	.226	.516	.432	.192	1.5 4.5	1.0625-18UNEF-2B	1.000-20UNEF-2A	.974	.931	.833	.658	.892	1.347	1.326	16-24SN	M83723/95	5122T00P20	GED16-16A24SN
1 THRU 6	.226	.496	.412	.157	1.5 4.5	.9375-20UNEF-2B	.875-20UNEF-2A	.849	.806	.813	.638	.765	1.327	1.203	14-7SN	M83723/95	5122T00P19	GED16-14A7SN
1 THRU 6	.226	.576	.492	.258	2.0 5.0	1.4375-18UNEF-2B	1.3125-18UNEF-2A	1.283	1.237	.893	.718	1.248	1.407	1.682	22-55SN	M83723/95	5122T00P18	GED16-22A55SN
1 THRU 6	.226	.536	.452	.206	1.8 4.5	1.1875-18UNEF-2B	1.0625-18UNEF-2A	1.033	.988	.853	.678	.998	1.367	1.432	18-31SN	M83723/95	5122T00P17	GED16-18A31SN
1 THRU 6	.226	.496	.412	.156	1.5 4.5	.9375-20UNEF-2B	.875-20UNEF-2A	.849	.806	.813	.638	.765	1.327	1.203	14-15SN	M83723/95	5122T00P16	GED16-14A15SN
1 THRU 5 & 8	.226	.496	.412	.157	1.5 4.5	.9375-20UNEF-2B	.875-20UNEF-2A	.849	.806	.813	.638	.765	1.327	1.203	14-7SN	M83723/95	5122T00P15	GED16-14C7SN
1 THRU 5	.226	.576	.492	.258	2.0 5.0	1.4375-18UNEF-2B	1.3125-18UNEF-2A	1.283	1.237	.893	.718	1.248	1.407	1.682	22-55SN	M83723/95	5122T00P14	GED16-22-55SN
1 THRU 5	.226	.486	.402	.123	1.2 3.5	.875-20UNEF-2B	.750-20UNEF-2A	.731	.681	.803	.628	.696	1.317	1.090	12-12S6	M83723/95	5122T00P13	GED16-12-12S6
1 THRU 5	.226	.536	.452	.206	1.8 4.5	1.1875-18UNEF-2B	1.0625-18UNEF-2A	1.033	.988	.853	.678	.998	1.367	1.432	18-31S7	M83723/95	5122T00P12	GED16-18-31S7
1 THRU 5	.226	.536	.452	.206	1.8 4.5	1.1875-18UNEF-2B	1.0625-18UNEF-2A	1.033	.988	.853	.678	.998	1.367	1.432	18-31S6	M83723/95	5122T00P11	GED16-18-31S6
1 THRU 5	.226	.536	.452	.206	1.8 4.5	1.1875-18UNEF-2B	1.0625-18UNEF-2A	1.033	.988	.853	.678	.998	1.367	1.432	18-31SN	M83723/95	5122T00P10	GED16-18-31SN
1 THRU 5	.226	.516	.432	.192	1.5 4.5	1.0625-18UNEF-2B	1.000-20UNEF-2A	.974	.931	.833	.658	.892	1.347	1.326	16-24S6	M83723/95	5122T00P09	GED16-16-24S6
1 THRU 5	.226	.516	.432	.192	1.5 4.5	1.0625-18UNEF-2B	1.000-20UNEF-2A	.974	.931	.833	.658	.892	1.347	1.326	16-24SN	M83723/95	5122T00P08	GED16-16-24SN
1 THRU 5	.226	.496	.412	.156	1.5 4.5	.9375-20UNEF-2B	.875-20UNEF-2A	.849	.806	.813	.638	.765	1.327	1.203	14-15SN	M83723/95	5122T00P07	GED16-14-15SN
1 THRU 5	.226	.496	.412	.157	1.5 4.5	.9375-20UNEF-2B	.875-20UNEF-2A	.849	.806	.813	.638	.765	1.327	1.203	14-7SN	M83723/95	5122T00P06	GED16-14-7SN
1 THRU 5	.226	.486	.402	.123	1.2 3.5	.875-20UNEF-2B	.750-20UNEF-2A	.731	.681	.803	.628	.696	1.317	1.090	12-12SN	M83723/95	5122T00P05	GED16-12-12SN
1 THRU 5	.226	.486	.402	.121	1.2 3.5	.875-20UNEF-2B	.750-20UNEF-2A	.731	.681	.803	.628	.696	1.317	1.090	12-3SN	M83723/95	5122T00P04	GED16-12-3SN
1 THRU 5	.226	.456	.372	.079	0.9 2.7	.6875-24UNEF-2B	.625-24UNEF-2A	.604	.560	.773	.598	.526	1.287	.958	10-5S6	M83723/95	5122T00P03	INACTIVE
1 THRU 5	.226	.456	.372	.079	0.9 2.7	.6875-24UNEF-2B	.625-24UNEF-2A	.604	.560	.773	.598	.526	1.287	.958	10-5SN	M83723/95	5122T00P02	INACTIVE
1 THRU 5	.226	.436	.352	.068	0.5 2.0	.5625-24UNEF-2B	.500-20UNEF-2A	.478	.431	.753	.578	.405	1.267	.832	8-3SN	M83723/95	5122T00P01	INACTIVE
1 THRU 5 & 10	.226	.536	.452	.206	1.8 4.5	1.1875-18UNEF-2B	1.0625-18UNEF-2A	1.033	.988	.853	.678	.998	1.367	1.432	18-316	M83723/95	5122T01P06	GED16-18-31S12
1 THRU 5 & 10	.226	.536	.452	.206	1.8 4.5	1.1875-18UNEF-2B	1.0625-18UNEF-2A	1.033	.988	.853	.678	.998	1.367	1.432	18-316	M83723/95	5122T01P05	INACTIVE
1 THRU 5 & 9	.226	.536	.452	.206	1.8 4.5	1.1875-18UNEF-2B	1.0625-18UNEF-2A	1.033	.988	.853	.678	.998	1.367	1.432	18-31N	M83723/95	5122T01P04	GED16-18A31S11
1 THRU 5 & 9	.226	.536	.452	.206	1.8 4.5	1.1875-18UNEF-2B	1.0625-18UNEF-2A	1.033	.988	.853	.678	.998	1.367	1.432	18-31N	M83723/95	5122T01P03	GED16-18-31S11
1 THRU 5 & 9	.226	.536	.452	.206	1.8 4.5	1.1875-18UNEF-2B	1.0625-18UNEF-2A	1.033	.988	.853	.678	.998	1.367	1.432	18-31N	M83723/95	5122T01P02	INACTIVE
1 THRU 5 & 9	.226	.536	.452	.206	1.8 4.5	1.1875-18UNEF-2B	1.0625-18UNEF-2A	1.033	.988	.853	.678	.998	1.367	1.432	18-31N	M83723/95	5122T01P01	INACTIVE

GENERAL ELECTRIC AIRCRAFT ENGINES
CONTROLLED DRAWING OR DOCUMENT
CHANGES MADE PER SOP 79-07-008 ONLY

NOTE:

SIGNATURE & DATE		CONNECTOR, PLUG NON-DECOUPLING SCOOP PROOF FOR GEAE ENVELOPE	CP	MATL CODE
DR	M. HARDY 4/1/94		DEUTSCH ENGINEERED CONNECTING DEVICES Municipal Airport Banning, California	
CHK	J. Powell 6-3-94		C GED16-***S* CODE 1109	SHEET 2 OF 2
FE	TIM HOLT 4/1/94			
APPD				
SCALE	NONE	WT		

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