	-		
	(5)	SCRIBE, ENGRAVE, OR MECHANICALLY STAMP (NO DYES OR INKS) A UNIQUE THREE DIGIT SERIAL NUMBER & REVISION NUMBER ON EACH PART. SERIAL NUMBERS START AT 001 FOR THE FIRST ARTICLE AND PROCEED CONSECUTIVELY.	11. ALL MATERIAL IS TO BE VIRGIN REPAIRS OR PLUGS UNLESS AP WRITING BY LIGO, REFER TO LIG
ł		BAG AND TAG PARTS WITH THEIR DRAWING PART NUMBER, REVISION, VARIANT OR "TYPE" (IF APPLICABLE), AND QUANTITY. IF PARTS ARE TOO SMALL TO SCRIBE, BAGGING AND TAGGING ALONE IS SUFFICIENT. EXAMPLE (PART): 001-v1 EXAMPLE (TAG): DXXXXXXX-VY, TYPE-XX, QTY: TBD	12. NO REPAIRS SHALL BE MADE U BY LIGO LABORATORY. IN GE ARE NEVER ACCEPTABLE; THE SPECIAL CIRCUMSTANCES CA ATTENTION OF LIGO CONTRAC
	6.	MACHINE ALL SURFACES TO REMOVE OXIDES AND MILL FINISH, USE OF ABRASIVE REMOVAL TECHNIQUES IS NOT ALLOWED.	A MATERIAL REVIEW BOARD (1
	7.	ALL PARTS SHALL BE MANUFACTURED IN ACCORDANCE WITH LIGO SPECIFICATION E0900364.	13MATES TO J9 OF ASSY D10015214MATES IN-VACUUM TO SEI CAB
	8	BRAID OF ITEM 5 MUST BE CONNECTED TO PIN 1 AND BACK SHELL OF CONNECTORS J10, AND J11 USING AN ELECTRICALLY CONDUCTIVE AND VACUUM COMPATIBLE MATERIAL .(SEE LIGO SPEC. E0900364)	
	9.	ITEM 6, MUST BE CLAMPED UNTO THE BACKSHELL OF J10 AND J11 WITH A VACUUM COMPATIBLE MATERIAL. (SEE LIGO SPEC. E0900364)	
	10.	ALL JOINTS SHOULD BE CRIMPED, NO OTHER FORM OF JOINT IS ALLOWED WITHOUT THE APPROVAL OF LIGO CALIFORNIA INSTITUTE OF TECHNOLOGY.	□3 J11
	1		

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NOTES CONTINUED:

DE UNLESS APPROVED IN ADVANCE, AND IN WRITING, N GENERAL WELD REPAIRS AND PRESS FIT INSERT REPAIRS THE MATERIAL SHOULD BE MADE WITH VIRGIN MATERIAL. CAN BE REVIEWED IF / WHEN BROUGHT TO THE IRACTING OFFICER'S REPRESENTITIVE (COTR) THROUGH RD (MRB) PROCESS, REFER TO LIGO-E0900364.

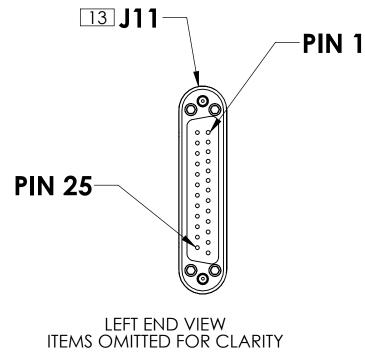
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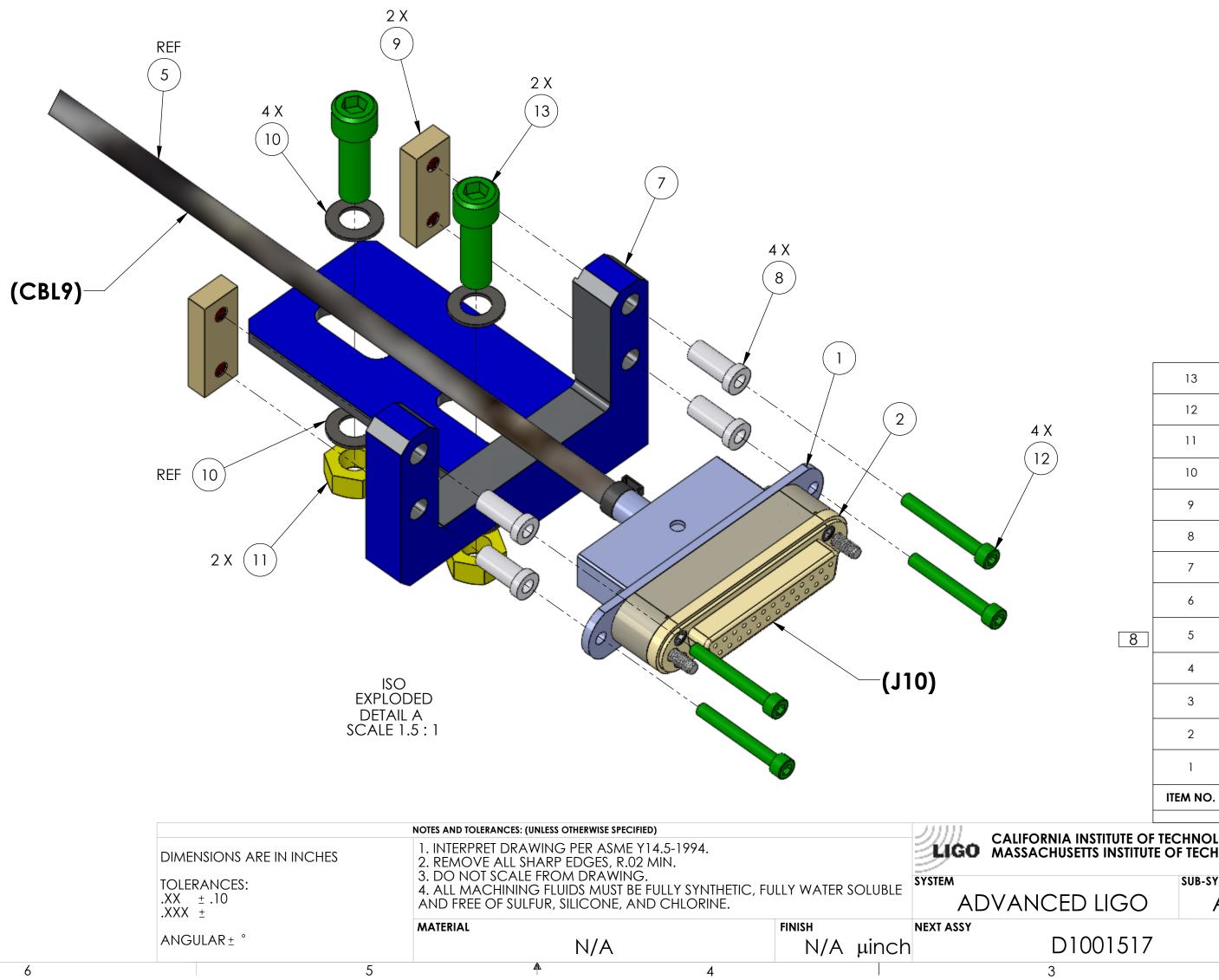
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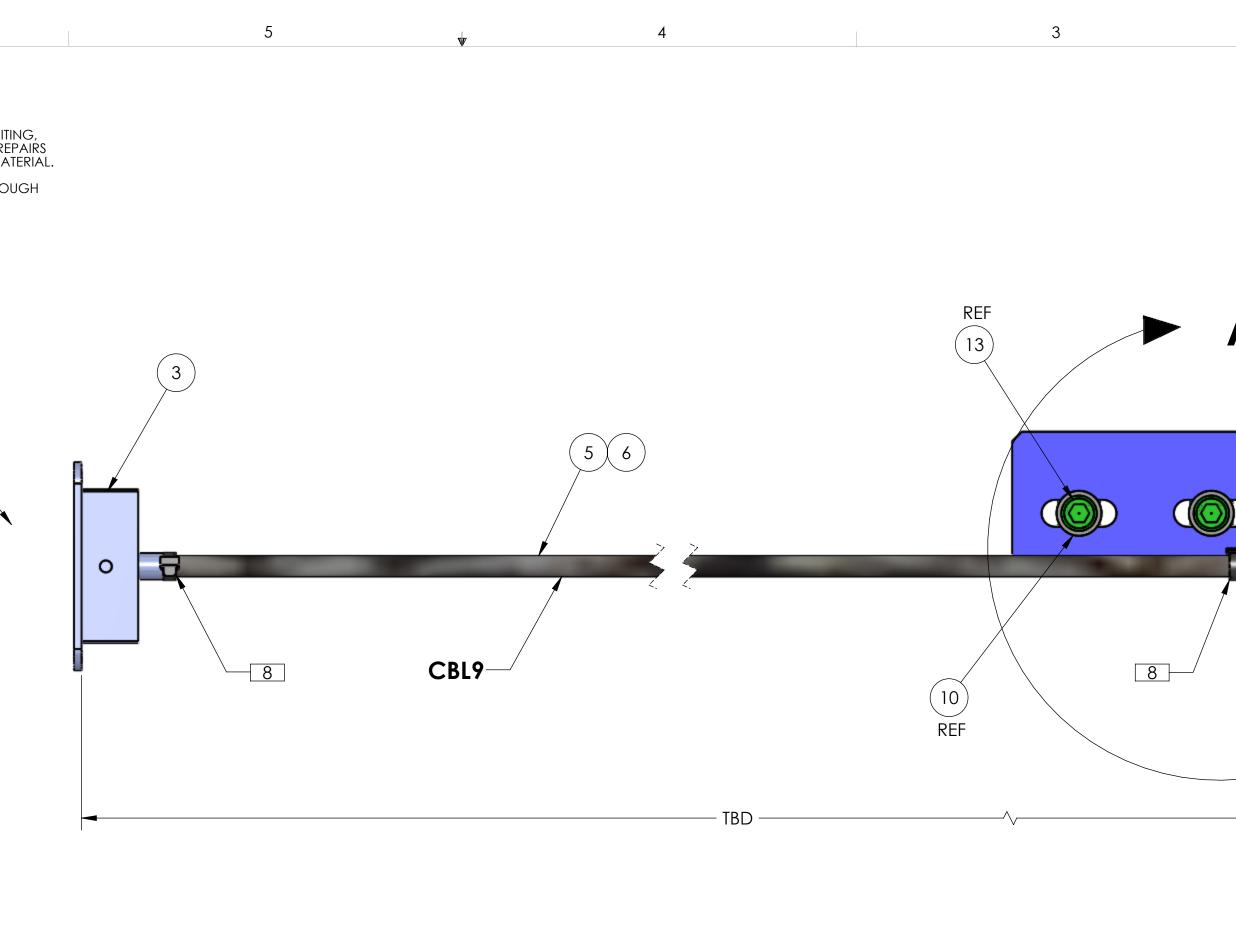
CABLE ASSEMBLY



TWISTED PAIR (CBL9)	CONDUCTOR WIRE I.D.	FROM (J10)	to (J11)
CONDUCTOR SHIELD	CBL-SHIELD (CBL1 & CBL2)	PIN 1 & SHELL	PIN 1 & SHELL
TP-1A	W2	PIN 2	PIN 2
TP-1B	W14	PIN 14	PIN 14
TP-2A	W3	PIN 3	PIN 3
TP-2B	W15	PIN 15	PIN 15
TP-3A	W4	PIN 4	PIN 4
TP-3B	W16	PIN 16	PIN 16
TP-4A	W5	PIN 5	PIN 5
TP-4B	W17	PIN 17	PIN 17
TP-5A	W6	PIN 6	PIN 6
TP-5B	W18	PIN 18	PIN 18
TP-6A	W7	PIN 7	PIN 7
TP-6B	W19	PIN 19	PIN 19
TP-7A	W8	PIN 8	PIN 8
TP-7B	W20	PIN 20	PIN 20
TP-8A	W9	PIN 9	PIN 9
TP-8B	W21	PIN 21	PIN 21
TP-9A	W10	PIN 10	PIN 10
TP-9B	W22	PIN 22	PIN 22
TP-10A	W11	PIN 11	PIN 11
TP-10B	W23	PIN 23	PIN 23
TP-11A	W12	PIN 12	PIN 12
TP-11B	W24	PIN 24	PIN 24
TP-12A	W13	PIN 13	PIN 13
TP-12B	W25	PIN 25	PIN 25



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	REV. ∨1	D4	g-2010	DCN #	DRAW	/ING TR	REE #	
	v1 v2	-	T-2010			_		
	v3	3-NOV	/-2010	E1000700	E10	00069	79	
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			2 REF	R ITEMS C	IGHT END VIEW	N 25 Arity	5	
	0010							
	C2012 C-414-N			C-2A X 3/4 LG, VENTED UC-COMPON	IENT 18-8 SSTL 18-8 SSTL	2		2
		I	SSHC, #4-40	C-2A X 3/4 LG, VENTED UC-COMPON) UNC-2A X 7/8 LG. UC-COMPONENT NUT, 1/4-20. UC-COMPONENTS	18-8 SSTL 18-8 SSTL Ag			
	C-414-N	A	SSHC, #4-40 HEX N) UNC-2A X 7/8 LG. UC-COMPONENT	18-8 SSTL 18-8 SSTL Ag PLATED 18-8 SSTL Ag	4		4
	C-414-N N-2520-A		SSHC, #4-40 HEX N WASHER, F) UNC-2A X 7/8 LG. UC-COMPONENT NUT, 1/4-20. UC-COMPONENTS	18-8 SSTL 18-8 SSTL Ag PLATED	4		4
[C-414-N N-2520-A WF-25-A	i A i-1	SSHC, #4-40 HEX N WASHER, F aLIGO ELI) UNC-2A X 7/8 LG. UC-COMPONENT NUT, 1/4-20. UC-COMPONENTS ELAT, 1/4, .255 ID X .468 OD .032 THK	18-8 SSTL 18-8 SSTL Ag PLATED 18-8 SSTL Ag PLATED	4 2 4		4 2 4
[C-414-N N-2520-A WF-25-A D1001345	i A i-1 5	SSHC, #4-40 HEX N WASHER, F aLIGO ELI aLIGO, EI	DUNC-2A X 7/8 LG. UC-COMPONENT NUT, 1/4-20. UC-COMPONENTS FLAT, 1/4, .255 ID X .468 OD .032 THK ECTRICAL CONNECTOR NUT PLATE	18-8 SSTL 18-8 SSTL Ag PLATED 18-8 SSTL Ag PLATED PEEK Ceramic Porcelain	4 2 4 2		4 2 4 2
[C-414-N N-2520-A WF-25-A D1001345 D100234	i	SSHC, #4-40 HEX N WASHER, F aLIGO ELI aLIGO, EI aLIGO, TCS, U) UNC-2A X 7/8 LG. UC-COMPONENT NUT, 1/4-20. UC-COMPONENTS LAT, 1/4, .255 ID X .468 OD .032 THK ECTRICAL CONNECTOR NUT PLATE LECTRICAL CONNECTOR BUSHING	18-8 SSTL 18-8 SSTL Ag PLATED 18-8 SSTL Ag PLATED PEEK Ceramic Porcelain	4 2 4 2 4 2 4		4 2 4 2 4
[C-414-N N-2520-A WF-25-A D1001345 D100234 D100175	i	SSHC, #4-40 HEX N WASHER, F aLIGO ELI aLIGO, ELI aLIGO, TCS, U PEEK BRAIL	D UNC-2A X 7/8 LG. UC-COMPONENT NUT, 1/4-20. UC-COMPONENTS ELAT, 1/4, .255 ID X .468 OD .032 THK ECTRICAL CONNECTOR NUT PLATE LECTRICAL CONNECTOR BUSHING JPPER CUSTOM CONNECTOR BRACKE	18-8 SSTL18-8 SSTL Ag PLATED18-8 SSTL Ag PLATED18-8 SSTL Ag PLATEDPEEKCeramic PorcelainET6061-T6	4 2 4 2 4 2 4 1		4 2 4 2 4 1
	C-414-N N-2520-A WF-25-A D1001345 D100234 D100175 111167	I A A A A A A A A A A A A A A A A A A A	SSHC, #4-40 HEX N WASHER, F aLIGO ELI aLIGO, ELI aLIGO, TCS, U PEEK BRAIL SHIELDED	DUNC-2A X 7/8 LG. UC-COMPONENT NUT, 1/4-20. UC-COMPONENTS ELAT, 1/4, .255 ID X .468 OD .032 THK ECTRICAL CONNECTOR NUT PLATE LECTRICAL CONNECTOR BUSHING JPPER CUSTOM CONNECTOR BRACKE DED SHIELD, .187IN ID.ACCU-GLASS	18-8 SSTL18-8 SSTL Ag PLATED18-8 SSTL Ag PLATEDPEEKCeramic PorcelainET6061-T6PEEKCOPPERPEEK	4 2 4 2 4 2 4 1 TBD		4 2 4 2 4 1 TBD
	C-414-N N-2520-A WF-25-A D1001345 D100234 D100175 111167 112143	I	SSHC, #4-40 HEX N WASHER, F aligo eli aligo, tel aligo, tcs, u PEEK BRAII SHIELDED DB25	D UNC-2A X 7/8 LG. UC-COMPONENT NUT, 1/4-20. UC-COMPONENTS FLAT, 1/4, .255 ID X .468 OD .032 THK ECTRICAL CONNECTOR NUT PLATE LECTRICAL CONNECTOR BUSHING JPPER CUSTOM CONNECTOR BRACKE DED SHIELD, .187IN ID.ACCU-GLASS 12 TWISTED PAIR WIRE. ACCUGLASS	18-8 SSTL 18-8 SSTL Ag PLATED 18-8 SSTL Ag PLATED PEEK Ceramic Porcelain ET 6061-T6 PEEK COPPER PEEK	4 2 4 2 4 1 1 TBD TBD		4 2 4 2 4 1 TBD TBD
	C-414-N N-2520-A WF-25-A D1001345 D100234 D100175 111167 112143 GO CUST	і А 5-1 6 ОМ ОМ DI	SSHC, #4-40 HEX N WASHER, F aligo eli aligo, el aligo, tcs, u PEEK BRAII SHIELDED DB25 B25 CONNECT DB25 F	D UNC-2A X 7/8 LG. UC-COMPONENT NUT, 1/4-20. UC-COMPONENTS FLAT, 1/4, .255 ID X .468 OD .032 THK ECTRICAL CONNECTOR NUT PLATE LECTRICAL CONNECTOR BUSHING JPPER CUSTOM CONNECTOR BRACKE DED SHIELD, .187IN ID.ACCU-GLASS 12 TWISTED PAIR WIRE. ACCUGLASS MALE CONNECTOR FOR UHV. FOR BACKSHELL, VENT HOLE, NO LFAN	I 18-8 SSTL Ag PLATED I 8-8 SSTL Ag PLATED I 8-8 SSTL Ag PLATED PEEK Ceramic Porcelain FT 6061-T6 I PEEK COPPER PEEK IGE STAINLESS STEEL PEEK	4 2 4 2 4 1 1 TBD TBD 1		4 2 4 2 4 1 TBD TBD 1
	C-414-N N-2520-A WF-25-A D1001345 D100234 D100175 111167 112143 GO CUST GO, CUST	і А 5 6 ОМ ОМ ОМ	SSHC, #4-40 HEX N WASHER, F aligo eli aligo, el aligo, tcs, u PEEK BRAII SHIELDED DB25 B25 CONNECT DB25 F DB25 CO	DUNC-2A X 7/8 LG. UC-COMPONENT NUT, 1/4-20. UC-COMPONENTS ELAT, 1/4, .255 ID X .468 OD .032 THK ECTRICAL CONNECTOR NUT PLATE LECTRICAL CONNECTOR BUSHING JPPER CUSTOM CONNECTOR BRACKE DED SHIELD, .187IN ID.ACCU-GLASS 12 TWISTED PAIR WIRE. ACCUGLASS MALE CONNECTOR FOR UHV. FOR BACKSHELL, VENT HOLE, NO LFAN	18-8 SSTL18-8 SSTL Ag PLATED18-8 SSTL Ag PLATED18-8 SSTL Ag PLATEDPEEKCeramic PorcelainET6061-T6PEEKCOPPERPEEKPEEKSTAINLESS STEEL	4 2 4 2 4 1 1 TBD TBD 1 1		4 2 4 2 4 1 TBD TBD 1 1 1 1
	C-414-N N-2520-A WF-25-A D1001345 D100234 D100234 D100175 111167 112143 GO CUST GO, CUST	і A i-1 5 6 ОМ ОМ ОМ ОМ	SSHC, #4-40 HEX N WASHER, F aligo eli aligo, el aligo, tcs, u PEEK BRAII SHIELDED DB25 B25 CONNECT DB25 F DB25 CO	D UNC-2A X 7/8 LG. UC-COMPONENT NUT, 1/4-20. UC-COMPONENTS FLAT, 1/4, .255 ID X .468 OD .032 THK ECTRICAL CONNECTOR NUT PLATE LECTRICAL CONNECTOR BUSHING JPPER CUSTOM CONNECTOR BRACKE DED SHIELD, .187IN ID.ACCU-GLASS 12 TWISTED PAIR WIRE. ACCUGLASS MALE CONNECTOR FOR UHV. FOR BACKSHELL, VENT HOLE, NO LFAN FEMALE CONNECTOR FOR UHV	I 18-8 SSTL Ag PLATED I 8-8 SSTL Ag PLATED I 8-8 SSTL Ag PLATED PEEK Ceramic Porcelain FT 6061-T6 I PEEK COPPER PEEK IGE STAINLESS STEEL PEEK	4 2 4 2 4 1 1 TBD TBD 1 1 1 1	SPARE	4 2 4 2 4 1 TBD TBD 1 1 1 1
С С С С С С С С С С С С С С С С С Ч С С Ч С	C-414-N N-2520-A WF-25-A D1001345 D100234 D100175 111167 112143 GO CUST GO, CUST GO, CUST GO, CUST GO, CUST ART NUMI	I	SSHC, #4-40 HEX N WASHER, F aLIGO ELI aLIGO, TCS, U PEEK BRAID SHIELDED DB25 B25 CONNECT DB25 F DB25 CC (STA	D UNC-2A X 7/8 LG. UC-COMPONENT NUT, 1/4-20. UC-COMPONENTS FLAT, 1/4, .255 ID X .468 OD .032 THK ECTRICAL CONNECTOR NUT PLATE LECTRICAL CONNECTOR BUSHING JPPER CUSTOM CONNECTOR BRACKE DED SHIELD, .187IN ID.ACCU-GLASS 12 TWISTED PAIR WIRE. ACCUGLASS MALE CONNECTOR FOR UHV. FOR BACKSHELL, VENT HOLE, NO LFAN FEMALE CONNECTOR FOR UHV DNNECTOR BACK SHELL FOR UHV INLESS STEELWITH VENT HOLE) DESCRIPTION PARTS LIST	18-8 SSTL18-8 SSTL Ag PLATED18-8 SSTL Ag PLATED18-8 SSTL Ag PLATEDPEEKCeramic Porcelain76061-T6PEEKCOPPERPEEKJGESTAINLESS STEELPEEKSTAINLESS STEELMATERIAL	4 2 4 2 4 1 1 1 1 1 1 1 1 1 1 8 REQ		4 2 4 2 4 1 1 TBD 1 1 1 1 1 1 1 1 1 1 1
	C-414-N N-2520-A WF-25-A D1001345 D100234 D100175 111167 112143 GO CUST GO, CUST GO, CUST GO, CUST GO, CUST GO, CUST GO, CUST	I A A A A A A A A A A A A A A A A A A A	SSHC, #4-40 HEX N WASHER, F aligo Eli aligo, tcs, u PEEK BRAID SHIELDED DB25 B25 CONNECT DB25 F DB25 CC (STA	DUNC-2A X 7/8 LG. UC-COMPONENT NUT, 1/4-20. UC-COMPONENTS ELAT, 1/4, .255 ID X .468 OD .032 THK ECTRICAL CONNECTOR NUT PLATE LECTRICAL CONNECTOR BUSHING UPPER CUSTOM CONNECTOR BRACKE DED SHIELD, .187IN ID.ACCU-GLASS 12 TWISTED PAIR WIRE. ACCUGLASS MALE CONNECTOR FOR UHV. FOR BACKSHELL, VENT HOLE, NO LFAN FEMALE CONNECTOR FOR UHV DNNECTOR BACK SHELL FOR UHV INLESS STEELWITH VENT HOLE) DESCRIPTION	18-8 SSTL18-8 SSTL Ag PLATED18-8 SSTL Ag PLATED18-8 SSTL Ag PLATEDPEEKCeramic Porcelain76061-T6PEEKCOPPERPEEKJGESTAINLESS STEELPEEKSTAINLESS STEELMATERIAL	4 2 4 2 4 1 1 1 1 1 1 1 1 1 1 8 REQ	UA	4 2 4 2 4 1 1 TBD 1 1 1 1 1 1 1 1 1 1 1
	C-414-N N-2520-A WF-25-A D1001345 D100234 D100234 D100175 111167 112143 GO CUST GO, CUST COST CUST COST CUST COST CUST COST CUST COST CUST COST CUST COST CUST COST CUST CUST COST CUST COST CUST COST CUST COST CUST CUST COST CUST COST CUST CUST CUST CUST COST CUST COST CUST COST CUST CUST COST CUST COST CUST COST CUST CUST COST CUST COST CUST COST CUST COST CUST CUST COST CUST COST CUST COST CUST COST CUST COST CUST CUST COST COST CUST COST CUST COST COST CUST COST COST COST COST COST COST COST CO	I	SSHC, #4-40 HEX N WASHER, F aLIGO ELI aLIGO, TCS, U PEEK BRAII SHIELDED DB25 B25 CONNECT DB25 F DB25 CC (STA A.Cole 1 A.Cole 1	DUNC-2A X 7/8 LG. UC-COMPONENT NUT, 1/4-20. UC-COMPONENTS FLAT, 1/4, .255 ID X .468 OD .032 THK ECTRICAL CONNECTOR NUT PLATE LECTRICAL CONNECTOR BUSHING JPPER CUSTOM CONNECTOR BRACKE DED SHIELD, .187IN ID.ACCU-GLASS 12 TWISTED PAIR WIRE. ACCUGLASS MALE CONNECTOR FOR UHV. FOR BACKSHELL, VENT HOLE, NO LFAN FEMALE CONNECTOR FOR UHV DNNECTOR BACK SHELL FOR UHV DNNECTOR BACK SHELL FOR UHV INLESS STEELWITH VENT HOLE) DESCRIPTION PARTS LIST (, TERMINAL BLK 10-AUG-2010 SIZE DWG. NO.	18-8 SSTL18-8 SSTL Ag PLATED18-8 SSTL Ag PLATED18-8 SSTL Ag PLATEDPEEKCeramic Porcelain76061-T6PEEKCOPPERPEEKJGESTAINLESS STEELPEEKSTAINLESS STEELMATERIAL	4 2 4 2 4 1 1 1 1 1 1 1 1 1 1 1 REQ	UA '	4 2 4 2 4 1 1 TBD 1 1 1 1 1 1 1 1 1 1 1 1 1 1

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