

CONNECTOR	NOT TO SCALE 5	8	4		
59mm]					
.74mm					
<u>, / 4mm </u>					
.78mm]_					
[11.18mm]	V25G-TBD CABLE V-DB25	E ASSEMBLY 5 M/S1-TBD-			RY
	CABLE NAME	COND WIRE ID	TWISTED PAIR	LENGTH	FRO
	V25G-TBD	25 COND. CABLE	(12 TOTAL)	TBD in. *	Con
	C1	SHIELD (COPPER BRAID)		TBD in. *	PIN SHIEI SHI
		W1	SINGLE WIRE	TBD in. *	PIN SHIEI SHI
1.090in [27.69mm]		W2 W14	TP-1	TBD in. * TBD in. *	PIN PIN
		W3	TP-2	TBD in. *	PIN
		W15 W4	TP-3	TBD in. * TBD in. *	PIN Pin
		W16 W5		TBD in. * TBD in. *	PIN PIN
		W17	TP-4	TBD in. *	PIN
		W6 W18	TP-5	TBD in. * TBD in. *	PIN PIN
		W7	TP-6	TBD in. *	PIN
		W19 W8		TBD in. * TBD in. *	PIN Pin
		W20	TP-7	TBD in. *	PIN
		W9	TP-8	TBD in. *	PIN

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.	LENGTH
1	TICOD DADT # T5000/ 1	DB25 MALE CONNECTOR (J1) FOR UHV (PEEK)		
2	TICOR PART # TS0086-1	DB25 CONNECTOR BACKSHELL FOR UHV (STAINLESS)		
3	TICOR PART # TS-0143-1	MicroD25 FEMALE CONNECTOR (J2) FOR UHV	1	
4	BACKSHELL (included in PART # TS-0143-1)	MicroD25 CONNECTOR BACKSHELL FOR UHV	1	
5	C1	25 COND. (12 TW PAIR + 1 WIRE + SHIELD) CABLE WITH COPPER BRAID (SHIELD) 6 AND PEEK OVERBRAID 7		
6	CONTINENTAL PART #24x4x40BC WITH COPPER BRAID (SHIELD) 6 AND PEEK OVERBRAID (SHIELD) 6 AND PEEK		1	TBD in. *
7	PART #6759	PEEK BRAID - PART #6759 MANUFACTURED WITH ZEUS 0.016" BLACK PEEK DRAWN MONOFILAMENT		
8	GLENAIR # 600-052 or BAND-IT # A10086	GLENAIR # 600-052 STANDARD BRAID CLAMP or BAND-IT PART # A10086 (0.240" WIDE) ("BAG OF 100" # A10089)	2	

* NOTE: THE OVERALL LENGTH IS MEASURED FROM PIN TIP (25 PIN D-SUB) TO PIN TIP (25 PIN µD) OF THE CABLE. Use whatever length is necessary for the internal wiring of the connectors and strip length to achieve the correct overall length.

NOTES: (UNLESS OTHERWISE SPECIFIED)

- 1. MATERIAL: a. CONNECTOR SHELL PEEK VICTREX 450GL30.
 - b. BACKSHELL STAINLESS STEEL WITH VENT HOLE. c. CONTACTS - BERYLLIUM COPPER ALLOY C17300
 - 0.000050 MIN. GOLD OVER NICKEL
 - d. HARDWARE: CORROSION RESISTANCE STEEL, PASSIVATED e. PEEK BRAID - PEEK CARBON LOADED

CABLE 25 COND. 28 AWG, (65 STRD 46 AWG) WITH PFA INSULATION COONER WIRE #CZ1105 12 TWISTED PAIRS (4 TO 5 TWISTS PER INCH) + 1 WIRE OVERALL 40AWG COPPER BRAID 90% COVERAGE OVERALL PEEK BRAID MIN. 50% COVERAGE OVERALL CABLE O.D. WILL BE 0.240 IN.

	V-DB25 M/S1-	TBD-μD25 F/S1
	STANDARD USE	FOR THIS CABLE
SUBSYSTEM	AIR/VAC	STANDARD USE
SUS	IN-VAC	QUAD SUSPENSION UIM

TBD in. * = LENGTH TO BE DETERMINED AT TIME OF ORDER - see STANDARD CABLE LENGTH CHART

** The length shown in this list is the overall length of the cable from connector end to connector end. Change length as necessary to compensate for the internal wiring of the connectors and strip length.

DRAWING TREE #

CONNECTOR

DATE

VARIOUS LENGTHS [SEE STANDARD LENGTH CHART]

DCN#

Conn. J1

PIN 1,

SHIELD & SHELL

PIN 1,

SHIELD & SHELL

PIN 1, SHIELD & SHELL

PIN 4

PIN 22

	NOTES AND TOLERANCES: (UNLESS OTHERWISE SPECIFIED)		ノリリリ	CALIEODNIA INICTITUTE OF TECHNIOLOGY	PART NAM	E				
DIMENSIONS ARE IN	1. INTERPRET DRAWING PER ASME Y14.5-1994. 2. REMOVE ALL SHARP EDGES, .005015. FOR MACHINE PROPERTY AND ASTRONOMY.		LIGO	CALIFORNIA INSTITUTE OF TECHNOLOGY MASSACHUSETTS INSTITUTE OF TECHNOLOGY	CU	STOM (CABLE SI	PECIFICATION	ON V25	G-TBD
TOLERANCES:	EDGES APPROXIMATLEY R.02 FOR SHEET METAL PARTS 3. DO NOT SCALE FROM DRAWING.	•	SYSTEM	SUB-SYSTEM	DESIGNER	J. HEEFNER	OCT/12/2011 SIZE	DWG. NO.		RE'
.XX ± .XXX ±	4. ALL MACHINING FLUIDS MUST BE FULLY SYNTHETIC, F AND FREE OF SULFUR, SILICONE, AND CHLORINE.	FULLY WATER SOLUBLE		SUS	DRAFTER	E. BROWN	OCT/12/2011	D1004	2522	V
	MATERIAL	FINISH	NEXT ASSY		CHECKER		-			\
ANGULAR±°	Material <not specified=""></not>	μinch	۱		APPROVAL	_	SCAI	LE:]:] PROJECTION:	A 1	SHEET 1 OF