REVISIONS			
REV.	DESCRIPTION	DRAWN	DATE

PIN	WIRE	SIGNAL
13	–	–
12	WHT/BRN	CW/+LMT
11	–	–
10	–	–
9	–	–
8	–	–
7	ORN	MRK
6	WHT/ORN	MKR–N
5	–	–
4	WHT/GRN	ID
3	WHT	ENC +5V
	VIO	
	BRN	
2	RED	THERMISTOR
1	–	–
CASE	SHIELD/DRAIN	SHIELD
14	YEL	COS
15	WHT/YEL	COS–N
16	–	–
17	BLU	SIN
18	WHT/BLU	SIN–N
19	–	–
20	GRY	LMT COM
21	BLK	ENC COM
	GRN	
22	–	–
23	–	–
24	WHT/GRY	CCW/–LMT
25	–	–

25-PIN D, MALE, ECK00786
BACKSHELL, ECK00656

ECX01009
16 COND., #24

UNUSED WIRES:
None

LABEL	WIRE	SIGNAL
G	#20 GRN/YEL	FRAME
C	#20 WHT	øA, øB RETURN
B	#20 RED	øB
A	#20 BLK	øA

ECX01217
4 COND, #20

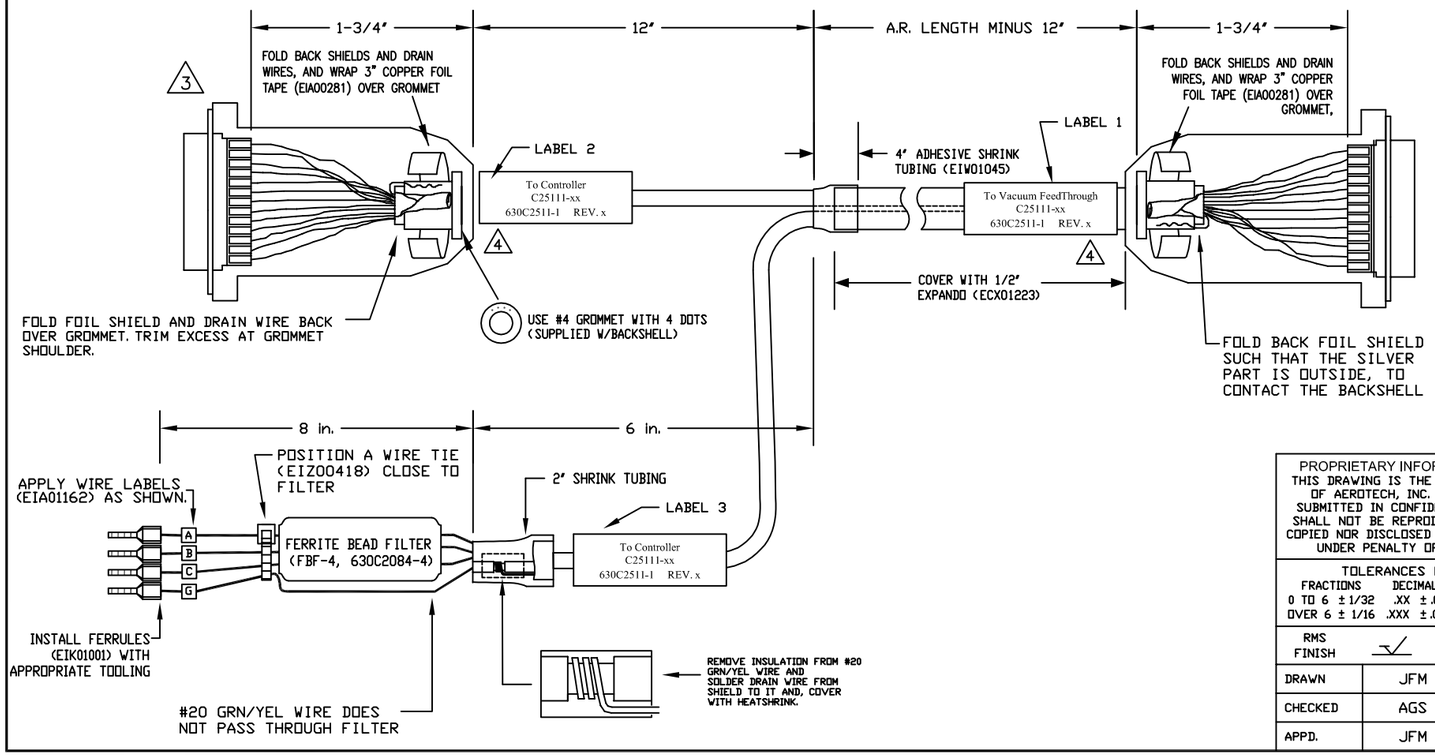
FERRULE, QTY. 4
EIK01001

SIGNAL	WIRE	PIN
–	–	13
øB	JMP TO PIN 24	12
øA	JMP TO PIN 23	11
øA, øB RETURN	JMP TO PIN 22	10
–	–	9
–	–	8
CCW/–LMT	WHT/GRY	7
LMT COM	GRY	6
ENC COM	BLK	5
	GRN	
MRK–N	WHT/ORN	4
SIN–N	WHT/BLU	3
COS–N	WHT/YEL	2
–	–	1
BOTH SHIELDS/FRAME	* #20 GRN/YEL	CASE
COS	YEL	14
SIN	BLU	15
MRK	ORN	16
ENC +5V	VIO	17
	WHT	
	BRN	
ID	WHT/GRN	18
CW/+LMT	WHT/BRN	19
THERMISTOR	RED	20
–	–	21
øA, øB RETURN	* #20 WHT	22
øA	* #20 BLK	23
øB	* #20 RED	24
–	–	25

* DENOTES FROM ECX01217 CABLE

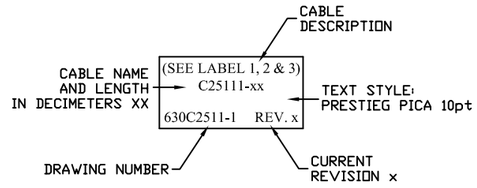
25-PIN D, FEMALE, ECK00300
BACKSHELL, ECK00656

ADD GOLD JUMPER
EIK00351, 3 PLS.



6 MULTIPLE WIRES TO A PIN
SOLDER SPLICE/HEATSHRINK. USE #24 WIRE. VIO FOR 5V PINS, AND GRN FOR COMMON PINS

5 ADD THREE CABLE LABELS, EIA00113



4 VERIFY GROMMET IS SECURED TIGHTLY AROUND CABLE. IF NECESSARY BUILD UP WITH SHRINK TUBING.

3 FOR CRIMP TOOL USE AMP HANDLE ASSY 58074-1 WITH AMP HEAD ASSY 58063-2

1 STARTING CABLE LENGTH SHOULD BE 5 IN LONGER THAN TOTAL LENGTH OF CABLE. LENGTH OF CABLE IS DESIGNATED BY THE (XX) IN CABLE NAME.

PROPRIETARY INFORMATION
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TOLERANCES ON
FRACTIONS DECIMALS ANGLES
0 TO 6 ± 1/32 .XX ± .01 ± 0-30'
OVER 6 ± 1/16 .XXX ± .005

RMS FINISH EXCEPT AS NOTED

Ndrive To MPS Stepper Stage For Vaccum FeedThrough Use

SM MTR & FB-25DU FLB-25DU-5ARMS-NOKEY-MAX110DM

DRAWN	JFM	1/27/15
CHECKED	AGS	1/27/15
APPD.	JFM	1/27/15

PART CODE: C25111-xx | SIZE: C | 630C2511-1 | REV.: -

SCALE NTS | FILE NAME 630C2511-101.Dwg | SHEET 1 OF 1