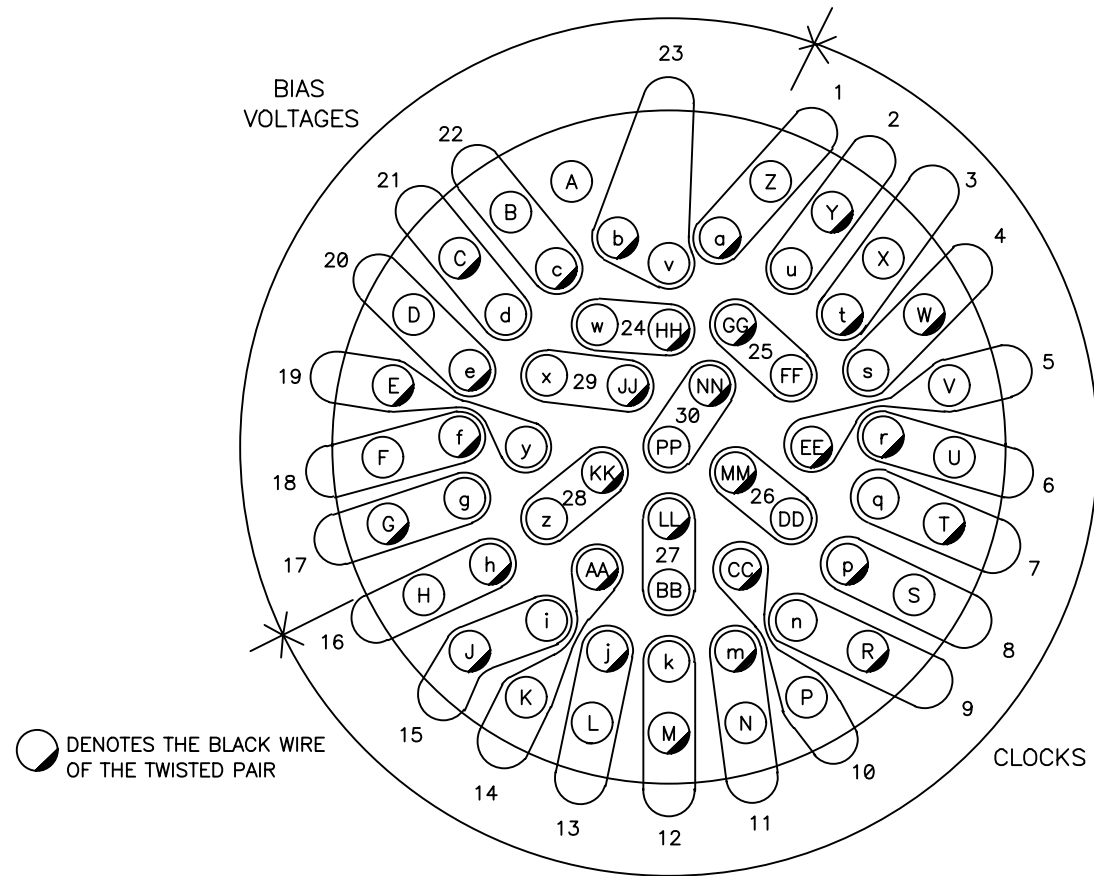


PIN		PIN	SIGNAL	PIN	SIGNAL
A	TWISTED PAIRS/ SHIELD GNDS	X	P3-A	t	GND
B	OPG (A)	Y	GND	u	P2-A
C	GND	Z	P1-A	v	SUB
D	RD (A)	a	GND	w	GUARD
E	GND	b	GND	x	SPARE4
F	VDD (A)	c	GND	y	RD (B)
G	GND	d	OPG (B)	z	HEATER_PWR
H	TG	e	GND	AA	GND
J	GND	f	GND	BB	TEMP DIODE ANODE
K	P2-B	g	VDD (B)	CC	GND
L	P1-B	h	GND	DD	SPARE3
M	GND	i	P3-B	EE	GND
N	RG-L	j	GND	FF	SPARE1
P	S2-R	k	RG-R	GG	SPARE1_RTN
R	GND	m	GND	HH	GND
S	SW-R	n	S1-R	JJ	SPARE4_RTN
T	GND	p	GND	KK	HEATER_RTN
U	S2-L	q	S3-L/R	LL	TEMP DIODE CATHODE
V	S1-L	r	GND	MM	SPARE3_RTN
W	GND	s	SW-L	NN	SPARE2_RTN
				PP	SPARE2

NOTE: SHIELDED, TWISTED PAIR CABLE
 PAIRED AS SHOWN, SHIELDS OF EACH PAIR
 CONNECTED TO PIN 'A'



○ DENOTES THE BLACK WIRE
 OF THE TWISTED PAIR

BENDIX #

AMPHENOL #

PTO2A-24-61P

MS3112E-24-61P

PANEL MOUNT, MALE

(BACK VIEW)

PTO6E-24-61S (SR)

MS3116F-24-61S

CABLE MOUNT, FEMALE, *A* TERMINATION

(FRONT VIEW)

UNIVERSITY OF CALIFORNIA
 LICK OBSERVATORY

61-PIN CABLE
 CONNECTOR SIGNALS

DES'N BY: Chris Wright

ORIGIN DATE: 06-11-97

DWG. NO. NUM. 1 OF 2

Last SN

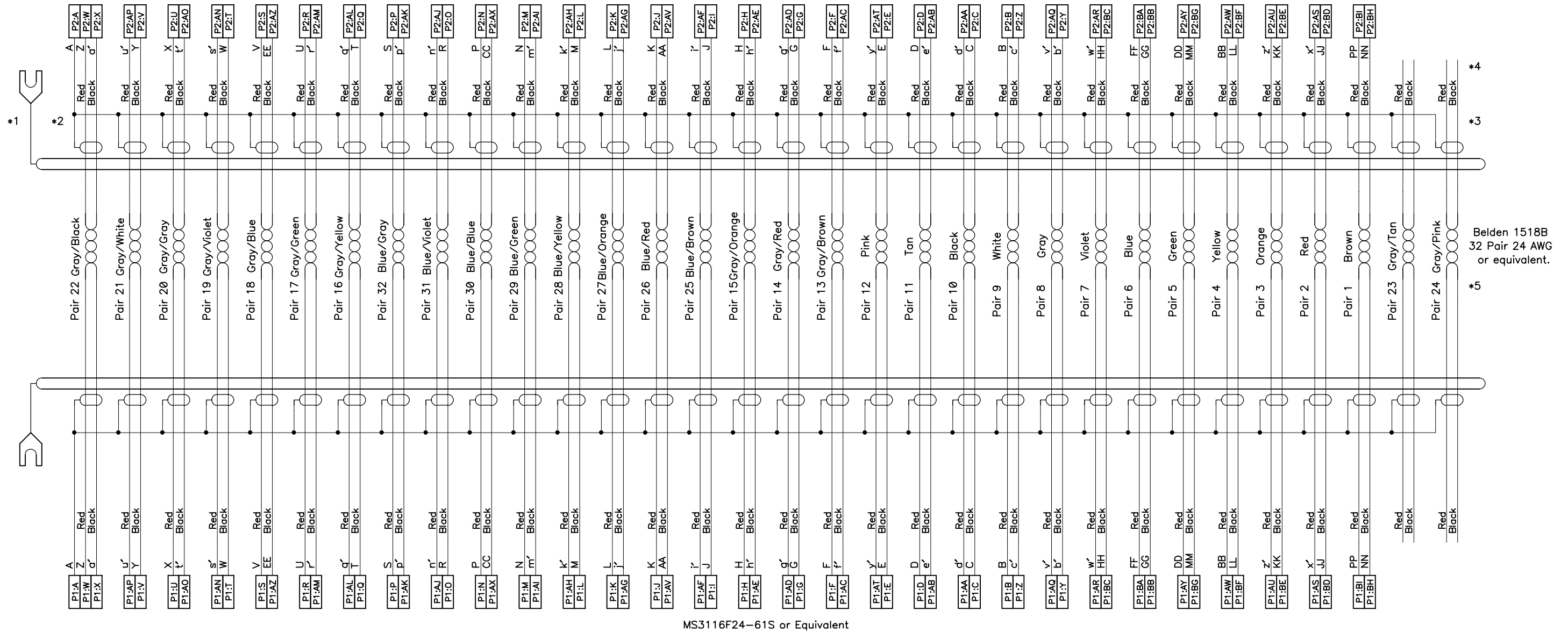
MODIFY DATE: 03-25-99

PATH: DEIMOS\SDSUCCD2\CONN61.SCH

REVA

EL-3172

REVISION



- *1: Overall shield drain wire connected to #8 spade lug for termination at chassis. Leave enough wire length to reach chassis mounting post.
- *2: All twisted pair drain wires connected together, isolated from overall shield, and attached to pin A. Use heat shrink tubing to electrically isolate individual drain terminations from overall shield.
- *3: Terminate drain wires of unused pairs with other twisted pair drain wires to facilitate using these for repairs.
- *4: Cover unused pair wire ends with heatshrink tubing.
- *5: Pair arrangement chosen to simplify cable wiring.

REVISION

03-25-99 CHANGED EL NUMBER FROM EL-3173 TO EL-3186

UNIVERSITY OF CALIFORNIA LICK OBSERVATORY		61-PIN CABLE CONNECTOR SIGNALS	
DES'N BY: Chris Wright	ORIGIN DATE: 06-11-97	DWG. NO.	NUM. 2 OF 2
Last SN 0016	MODIFY DATE: 03-25-99	EL-3172	
PATH: DEIMOS\SDSUCCD2\CONN61.SCH	REVA		