Used in assy drawing no.

Assy name

CHASSIS STAR POINT

62GB12E 16-26S

ARC CONTROLLER
FRONT PANEL

A	AGND
B	AGND
C	HR OUTPUT DRAIN
D	
E	HR OUTPUT SOURCE
F	HR SHIELD
G	AGND
H	LS OUTPUT DRAIN
J	
K	LS OUTPUT SOURCE
L	LS SHIELD
M	
N	ISOLATION GATE
P	AGND
R	
S	RESET DRAIN
T	AGND
U	DUMP DRAIN
V	AGND
W	MULTIPLICATION BIAS
X	AGND
Y	ANTI BLOOMING DRAIN
Z	AGND

75 ohm
MINITURE
COAX

SMA PLUG

TO VIDEO BOARD

SMA PLUG

TO VIDEO BOARD

75 ohm
MINITURE
COAX

25	
19	
1	
20	
2	
9	
22	
3	
16	
4	
17	
10	
23	
5	
18	
11	
12	
13	

TO VIDEO BOARD

25 D SOCKET

62GB12E 21-41S

ARC CONTROLLER
FRONT PANEL

A	DGND	CLK GND	32
B	DGND		
C	IMAGE CLOCK 1	CLOCK 0	1
D	DGND	CLK GND	22
E	IMAGE CLOCK 2	CLOCK 1	2
F	DGND		
G	IMAGE CLOCK 3	CLOCK 2	3
H	DGND	CLK GND	23
J	IMAGE CLOCK 4	CLOCK 3	4
K	DGND		
L	STORAGE CLOCK 1	CLOCK 4	5
M	DGND	CLK GND	24
N	STORAGE CLOCK 2	CLOCK 5	6
P	DGND		
R	STORAGE CLOCK 3	CLOCK 6	7
S	DGND	CLK GND	25
T	STORAGE CLOCK 4	CLOCK 7	8
U	DGND		
V	REGISTER CLOCK 1	CLOCK 12	13
W	DGND	CLK GND	26
X	REGISTER CLOCK 2	CLOCK 13	14
Y	DGND	CLK GND	27
Z	REGISTER CLOCK 3	CLOCK 14	15
a	DGND		
b	MULTIPLICATION CLOCK	CLOCK 23	37
c	DGND	CLK GND	28
d	RESET	CLOCK 16	17
e	DGND	CLK GND	29
f	OUTPUT GATE	CLOCK 17	18
g	DGND	CLK GND	30
h	DUMP GATE	CLOCK 8	9
i	DGND	CLK GND	31
j	LED	CLOCK 11	12

37 D SOCKET

TO CLOCK BOARD

9 D SOCKET

GNDB	6
EXT I/P	1
GNDC	9
HV CLOCK	5
GNDB	7
BIAS I/P	2
DC-DC ENABLE	3

TO HV CLOCK BOARD

THIRD ANGLE PROJECTION
DIMENSIONS IN MM

UKATC

Royal Observatory
Blackford Hill
Edinburgh
EH9 3HJ

Last Mod.		
Drawing No. USPEC_08		
Material	Weight	Kg
Finish	App'd DATE - WHO	Issue **A**
Tolerances	Mod'd DATE - WHO	
	Drawn 31-10-13 BW	
Title ARC CONTROLLER WIRING	Sheet **1** of **1**	
	Instrument ULTRA SPEC	Part no.