dbc1 camera talkback switcher					
Connector 1 - Switched Production Talkback/ Engineering TO Camera CCUs					
Connector fitted to frame = Edac 56 pin socket with fixed nut.					
PIN	**H/C/Sc**	**PAIR**	**FUNCTION**	**DESTINATION**	**NOTES**
A	H	1	PTB to camera 1		
E	C				
L	Sc				
B	H	2	PTB to camera 2		
F	C				
M	Sc				
C	H	3	PTB to camera 3		
J	C				
N	Sc				
D	H	4	PTB to camera 4		
K	C				
P	Sc				
a	H	5	PTB to camera 5		
W	C				
R	Sc				
b	H	6	PTB to camera 6		
X	C				
S	Sc				
c	H	7	PTB to camera 7		
Y	C				
U	Sc				
d	H	8	PTB to camera 8		
Z	C				
V	Sc				
k	H	9	PTB to camera 9		
p	C				
u	Sc				
l	H	10	PTB to camera 10		
r	C				
v	Sc				
m	H	11	PTB to camera 11		
s	C				
x	Sc				
n	H	12	PTB to camera 12		
t	C				
y	Sc				
KK	H	13	PTB to camera 13		
DD	C				
z	Sc				
LL	H	14	PTB to camera 14		
EE	C				
AA	Sc				
MM	H	15	PTB to camera 15		
HH	C				
BB	Sc				
NN	H	16	PTB to camera 16		
JJ	C				
CC	Sc				
e	H	17	Not used		
h	C				
H	Sc				
f	H	18	Not used		
j	C				
FF	Sc				

dbc1 camera talkback switcher					
Connector 2 - Switched Production Talkback/ Engineering TO Camera CCUs					
Connector fitted to frame = Edac 56 pin socket with fixed nut.					
PIN	**H/C/Sc**	**PAIR**	**FUNCTION**	**DESTINATION**	**NOTES**
A	H	1	PTB to camera 17		
E	C				
L	Sc				
B	H	2	PTB to camera 18		
F	C				
M	Sc				
C	H	3	PTB to camera 19		
J	C				
N	Sc				
D	H	4	PTB to camera 20		
K	C				
P	Sc				
a	H	5	PTB to camera 21		
W	C				
R	Sc				
b	H	6	PTB to camera 22		
X	C				
S	Sc				
c	H	7	PTB to camera 23		
Y	C				
U	Sc				
d	H	8	PTB to camera 24		
Z	C				
V	Sc				
k	H	9	Not used		
p	C				
u	Sc				
l	H	10	Not used		
r	C				
v	Sc				
m	H	11	Not used		
s	C				
x	Sc				
n	H	12	Not used		
t	C				
y	Sc				
KK	H	13	Not used		
DD	C				
z	Sc				
LL	H	14	Not used		
EE	C				
AA	Sc				
MM	H	15	Not used		
HH	C				
BB	Sc				
NN	H	16	Not used		
JJ	C				
CC	Sc				
e	H	17	Not used		
h	C				
H	Sc				
f	H	18	Not used		
j	C				
FF	Sc				

dbc1 camera talkback switcher					
Connector 3 - Eng TB TO cameras/Ccus					
Connector fitted to frame = Edac 56 pin socket with fixed nut.					
PIN	**H/C/Sc**	**PAIR**	**FUNCTION**	**DESTINATION**	**NOTES**
A	H	1	Eng TB to camera 1		
E	C				
L	Sc				
B	H	2	Eng TB to camera 2		
F	C				
M	Sc				
C	H	3	Eng TB to camera 3		
J	C				
N	Sc				
D	H	4	Eng TB to camera 4		
K	C				
P	Sc				
a	H	5	Eng TB to camera 5		
W	C				
R	Sc				
b	H	6	Eng TB to camera 6		
X	C				
S	Sc				
c	H	7	Eng TB to camera 7		
Y	C				
U	Sc				
d	H	8	Eng TB to camera 8		
Z	C				
V	Sc				
k	H	9	Eng TB to camera 9		
p	C				
u	Sc				
l	H	10	Eng TB to camera 10		
r	C				
v	Sc				
m	H	11	Eng TB to camera 11		
s	C				
x	Sc				
n	H	12	Eng TB to camera 12		
t	C				
y	Sc				
KK	H	13	Eng TB to camera 13		
DD	C				
z	Sc				
LL	H	14	Eng TB to camera 14		
EE	C				
AA	Sc				
MM	H	15	Eng TB to camera 15		
HH	C				
BB	Sc				
NN	H	16	Eng TB to camera 16		
JJ	C				
CC	Sc				
e	H	17	Not used		
h	C				
H	Sc				
f	H	18	Not used		
j	C				
FF	Sc				

dbc1 camera talkback switcher					
Connector 4 - Eng TB TO cameras/Ccus					
Connector fitted to frame = Edac 56 pin socket with fixed nut.					
PIN	**H/C/Sc**	**PAIR**	**FUNCTION**	**DESTINATION**	**NOTES**
A	H	1	Eng TB to camera 17		
E	C				
L	Sc				
B	H	2	Eng TB to camera 18		
F	C				
M	Sc				
C	H	3	Eng TB to camera 19		
J	C				
N	Sc				
D	H	4	Eng TB to camera 20		
K	C				
P	Sc				
a	H	5	Eng TB to camera 21		
W	C				
R	Sc				
b	H	6	Eng TB to camera 22		
X	C				
S	Sc				
c	H	7	Eng TB to camera 23		
Y	C				
U	Sc				
d	H	8	Eng TB to camera 24		
Z	C				
V	Sc				
k	H	9	Not used		
p	C				
u	Sc				
l	H	10	Not used		
r	C				
v	Sc				
m	H	11	Not used		
s	C				
x	Sc				
n	H	12	Not used		
t	C				
y	Sc				
KK	H	13	Not used		
DD	C				
z	Sc				
LL	H	14	Not used		
EE	C				
AA	Sc				
MM	H	15	Not used		
HH	C				
BB	Sc				
NN	H	16	Not used		
JJ	C				
CC	Sc				
e	H	17	Not used		
h	C				
H	Sc				
f	H	18	Not used		
j	C				
FF	Sc				

dbc1 camera talkback switcher					
Connector 5 - Reverse PTB FROM camera CCUs					
Connector fitted to frame = Edac 56 pin socket with fixed nut.					
PIN	**H/C/Sc**	**PAIR**	**FUNCTION**	**DESTINATION**	**NOTES**
A	H	1	Rev PTB from camera 1		
E	C				
L	Sc				
B	H	2	Rev PTB from camera 2		
F	C				
M	Sc				
C	H	3	Rev PTB from camera 3		
J	C				
N	Sc				
D	H	4	Rev PTB from camera 4		
K	C				
P	Sc				
a	H	5	Rev PTB from camera 5		
W	C				
R	Sc				
b	H	6	Rev PTB from camera 6		
X	C				
S	Sc				
c	H	7	Rev PTB from camera 7		
Y	C				
U	Sc				
d	H	8	Rev PTB from camera 8		
Z	C				
V	Sc				
k	H	9	Rev PTB from camera 9		
p	C				
u	Sc				
l	H	10	Rev PTB from camera 10		
r	C				
v	Sc				
m	H	11	Rev PTB from camera 11		
s	C				
x	Sc				
n	H	12	Rev PTB from camera 12		
t	C				
y	Sc				
KK	H	13	Rev PTB from camera 13		
DD	C				
z	Sc				
LL	H	14	Rev PTB from camera 14		
EE	C				
AA	Sc				
MM	H	15	Rev PTB from camera 15		
HH	C				
BB	Sc				
NN	H	16	Rev PTB from camera 16		
JJ	C				
CC	Sc				
e	H	17	Not used		
h	C				
H	Sc				
f	H	18	Not used		
j	C				
FF	Sc				

dbc1 camera talkback switcher					
Connector 6 - Reverse PTB FROM camera CCUs					
Connector fitted to frame = Edac 56 pin socket with fixed nut.					
PIN	**H/C/Sc**	**PAIR**	**FUNCTION**	**DESTINATION**	**NOTES**
A	H	1	Rev PTB from camera 17		
E	C				
L	Sc				
B	H	2	Rev PTB from camera 18		
F	C				
M	Sc				
C	H	3	Rev PTB from camera 19		
J	C				
N	Sc				
D	H	4	Rev PTB from camera 20		
K	C				
P	Sc				
a	H	5	Rev PTB from camera 21		
W	C				
R	Sc				
b	H	6	Rev PTB from camera 22		
X	C				
S	Sc				
c	H	7	Rev PTB from camera 23		
Y	C				
U	Sc				
d	H	8	Rev PTB from camera 24		
Z	C				
V	Sc				
k	H	9	Not used		
p	C				
u	Sc				
l	H	10	Not used		
r	C				
v	Sc				
m	H	11	Not used		
s	C				
x	Sc				
n	H	12	Not used		
t	C				
y	Sc				
KK	H	13	Not used		
DD	C				
z	Sc				
LL	H	14	Not used		
EE	C				
AA	Sc				
MM	H	15	Not used		
HH	C				
BB	Sc				
NN	H	16	Not used		
JJ	C				
CC	Sc				
e	H	17	Not used		
h	C				
H	Sc				
f	H	18	Not used		
j	C				
FF	Sc				

dbc1 camera talkback switcher					
Connector 7 - Reverse Eng TB FROM CCUs					
Connector fitted to frame = Edac 56 pin socket with fixed nut.					
PIN	**H/C/Sc**	**PAIR**	**FUNCTION**	**DESTINATION**	**NOTES**
A	H	1	Rev Eng TB from camera 1		
E	C				
L	Sc				
B	H	2	Rev Eng TB from camera 2		
F	C				
M	Sc				
C	H	3	Rev Eng TB from camera 3		
J	C				
N	Sc				
D	H	4	Rev Eng TB from camera 4		
K	C				
P	Sc				
a	H	5	Rev Eng TB from camera 5		
W	C				
R	Sc				
b	H	6	Rev Eng TB from camera 6		
X	C				
S	Sc				
c	H	7	Rev Eng TB from camera 7		
Y	C				
U	Sc				
d	H	8	Rev Eng TB from camera 8		
Z	C				
V	Sc				
k	H	9	Rev Eng TB from camera 9		
p	C				
u	Sc				
l	H	10	Rev Eng TB from camera 10		
r	C				
v	Sc				
m	H	11	Rev Eng TB from camera 11		
s	C				
x	Sc				
n	H	12	Rev Eng TB from camera 12		
t	C				
y	Sc				
KK	H	13	Rev Eng TB from camera 13		
DD	C				
z	Sc				
LL	H	14	Rev Eng TB from camera 14		
EE	C				
AA	Sc				
MM	H	15	Rev Eng TB from camera 15		
HH	C				
BB	Sc				
NN	H	16	Rev Eng TB from camera 16		
JJ	C				
CC	Sc				
e	H	17	Not used		
h	C				
H	Sc				
f	H	18	Not used		
j	C				
FF	Sc				

dbc1 camera talkback switcher					
Connector 8 - Reverse Eng TB FROM CCUs					
Connector fitted to frame = Edac 56 pin socket with fixed nut.					
PIN	**H/C/Sc**	**PAIR**	**FUNCTION**	**DESTINATION**	**NOTES**
A	H	1	Rev Eng TB from camera 17		
E	C				
L	Sc				
B	H	2	Rev Eng TB from camera 18		
F	C				
M	Sc				
C	H	3	Rev Eng TB from camera 19		
J	C				
N	Sc				
D	H	4	Rev Eng TB from camera 20		
K	C				
P	Sc				
a	H	5	Rev Eng TB from camera 21		
W	C				
R	Sc				
b	H	6	Rev Eng TB from camera 22		
X	C				
S	Sc				
c	H	7	Rev Eng TB from camera 23		
Y	C				
U	Sc				
d	H	8	Rev Eng TB from camera 24		
Z	C				
V	Sc				
k	H	9	Not used		
p	C				
u	Sc				
l	H	10	Not used		
r	C				
v	Sc				
m	H	11	Not used		
s	C				
x	Sc				
n	H	12	Not used		
t	C				
y	Sc				
KK	H	13	Not used		
DD	C				
z	Sc				
LL	H	14	Not used		
EE	C				
AA	Sc				
MM	H	15	Not used		
HH	C				
BB	Sc				
NN	H	16	Not used		
JJ	C				
CC	Sc				
e	H	17	Not used		
h	C				
H	Sc				
f	H	18	Not used		
j	C				
FF	Sc				

dbc1 camera talkback switcher					
Connector 9 - Programme Sound TO Camera CCUs					
Connector fitted to frame = Edac 56 pin socket with fixed nut.					
PIN	**H/C/Sc**	**PAIR**	**FUNCTION**	**DESTINATION**	**NOTES**
A	H	1	Programme Sound to Camera 1		
E	C				
L	Sc				
B	H	2	Programme Sound to Camera 2		
F	C				
M	Sc				
C	H	3	Programme Sound to Camera 3		
J	C				
N	Sc				
D	H	4	Programme Sound to Camera 4		
K	C				
P	Sc				
a	H	5	Programme Sound to Camera 5		
W	C				
R	Sc				
b	H	6	Programme Sound to Camera 6		
X	C				
S	Sc				
c	H	7	Programme Sound to Camera 7		
Y	C				
U	Sc				
d	H	8	Programme Sound to Camera 8		
Z	C				
V	Sc				
k	H	9	Programme Sound to Camera 9		
p	C				
u	Sc				
l	H	10	Programme Sound to Camera 10		
r	C				
v	Sc				
m	H	11	Programme Sound to Camera 11		
s	C				
x	Sc				
n	H	12	Programme Sound to Camera 12		
t	C				
y	Sc				
KK	H	13	Programme Sound to Camera 13		
DD	C				
z	Sc				
LL	H	14	Programme Sound to Camera 14		
EE	C				
AA	Sc				
MM	H	15	Programme Sound to Camera 15		
HH	C				
BB	Sc				
NN	H	16	Programme Sound to Camera 16		
JJ	C				
CC	Sc				
e	H	17	Not used		
h	C				
H	Sc				
f	H	18	Not used		
j	C				
FF	Sc				

dbc1 camera talkback switcher					
Connector 10 - Programme Sound TO Camera CCUs					
Connector fitted to frame = Edac 56 pin socket with fixed nut.					
PIN	**H/C/Sc**	**PAIR**	**FUNCTION**	**DESTINATION**	**NOTES**
A	H	1	Programme Sound to Camera 17		
E	C				
L	Sc				
B	H	2	Programme Sound to Camera 18		
F	C				
M	Sc				
C	H	3	Programme Sound to Camera 19		
J	C				
N	Sc				
D	H	4	Programme Sound to Camera 20		
K	C				
P	Sc				
a	H	5	Programme Sound to Camera 21		
W	C				
R	Sc				
b	H	6	Programme Sound to Camera 22		
X	C				
S	Sc				
c	H	7	Programme Sound to Camera 23		
Y	C				
U	Sc				
d	H	8	Programme Sound to Camera 24		
Z	C				
V	Sc				
k	H	9	Not used		
p	C				
u	Sc				
l	H	10	Not used		
r	C				
v	Sc				
m	H	11	Not used		
s	C				
x	Sc				
n	H	12	Not used		
t	C				
y	Sc				
KK	H	13	Not used		
DD	C				
z	Sc				
LL	H	14	Not used		
EE	C				
AA	Sc				
MM	H	15	Not used		
HH	C				
BB	Sc				
NN	H	16	Not used		
JJ	C				
CC	Sc				
e	H	17	Not used		
h	C				
H	Sc				
f	H	18	Not used		
j	C				
FF	Sc				

dbc1 camera talkback switcher					
Connector 11 - System Matrix connections					
Connector fitted to frame = Edac 56 pin socket with fixed nut.					
PIN	**H/C/Sc**	**PAIR**	**FUNCTION**	**DESTINATION**	**NOTES**
A	H	1	PTB1 FROM TB Matrix		
E	C				
L	Sc				
B	H	2	PTB2 FROM TB Matrix		
F	C				
M	Sc				
C	H	3	Not used		
J	C				
N	Sc				
D	H	4	Programme Sound 1 from TB Matrix		
K	C				
P	Sc				
a	H	5	Programme Sound 2 from TB Matrix		
W	C				
R	Sc				
b	H	6	Reverse PTB1 TO TB Matrix		
X	C				
S	Sc				
c	H	7	Reverse PTB2 TO TB Matrix		
Y	C				
U	Sc				
d	H	8	Reverse Engineering TO TB Matrix		
Z	C				
V	Sc				
k	H	9	Not used		
p	C				
u	Sc				
l	H	10	Not used		
r	C				
v	Sc				
m	H	11	Not used		
s	C				
x	Sc				
n	H	12	Not used		
t	C				
y	Sc				
KK	H	13	Not used		
DD	C				
z	Sc				
LL	H	14	Not used		
EE	C				
AA	Sc				
MM	H	15	Not used		
HH	C				
BB	Sc				
NN	H	16	Not used		
JJ	C				
CC	Sc				
e	H	17	Not used		
h	C				
H	Sc				
f	H	18	Not used		
j	C				
FF	Sc				

dbc1 camera talkback switcher			
Vision Panel connections			
Panel connectors		9 pin female 'D' type fitted to frame. Male fitted to panel.	
		Cable required = Female to Male	
PIN	**FUNCTION**	**NOTES**	
1	Audio Hot	TO panel	Pins 1,2,3 twisted pair + earth
2	Audio Cold	TO panel	
3	Audio Earth	TO panel	
4	Audio Hot	FROM panel	Pins 4,5,6 twisted pair + earth
5	Audio Cold	FROM panel	
6	Audio Earth	FROM panel	
7	Data Hot	TO/FROM panel	Pins 7,8,9 twisted pair + earth
8	Data Cold	TO/FROM panel	
9	Data Earth	TO/FROM panel	
Remoted digital only panel connections			
Panel connectors		9 pin female 'D' type fitted to frame. Male fitted to panel.	
		Cable required = Female to Male	
PIN	**FUNCTION**	**NOTES**	
1			Pins 1,2,3 twisted pair + earth
2			
3			
4		not used	
5		not used	
6		not used	
7	Data Hot	TO/FROM panel	Pins 7,8,9 twisted pair + earth
8	Data Cold	TO/FROM panel	
9	Data Earth	TO/FROM panel	

dbc1 camera talkback switcher			
GPI input connections connector GPI 1-12			
Panel connectors		25 pin female 'D' type fitted to frame.	
PIN	**FUNCTION**	**NOTES**	
1	GPI 1	Hot	Short pins 1 & 2 to activate gpi 1
2	GPI 1	0v	
3	GPI 2	Hot	Short pins 3 & 4 to activate gpi 2
4	GPI 2	0v	
5	GPI 3	Hot	etc.
6	GPI 3	0v	
7	GPI 4	Hot	
8	GPI 4	0v	
9	GPI 5	Hot	
10	GPI 5	0v	
11	GPI 6	Hot	
12	GPI 6	0v	
13	GPI 7	Hot	
14	GPI 7	0v	
15	GPI 8	Hot	
16	GPI 8	0v	
17	GPI 9	Hot	
18	GPI 9	0v	
19	GPI 10	Hot	
20	GPI 10	0v	
21	GPI 11	Hot	
22	GPI 11	0v	
23	GPI 12	Hot	
24	GPI 12	0v	
25	Not used		
0v is linked within frame to dbc1 system 0v.			
External contacts must be rated minimum 5v 10mA dc.			

dbc1 camera talkback switcher				
GPI input connections connector GPI 13-24				
Panel connectors		25 pin female 'D' type fitted to frame.		
PIN	**FUNCTION**	**NOTES**		
1	GPI 13	Hot	Short pins 1 & 2 to activate gpi 13	
2	GPI 13	0v		
3	GPI 14	Hot	Short pins 3 & 4 to activate gpi 14	
4	GPI 14	0v		
5	GPI 15	Hot	etc.	
6	GPI 15	0v		
7	GPI 16	Hot		
8	GPI 16	0v		
9	GPI 17	Hot		
10	GPI 17	0v		
11	GPI 18	Hot		
12	GPI 18	0v		
13	GPI 19	Hot		
14	GPI 19	0v		
15	GPI 20	Hot		
16	GPI 20	0v		
17	GPI 21	Hot		
18	GPI 21	0v		
19	GPI 22	Hot		
20	GPI 22	0v		
21	GPI 23	Hot		
22	GPI 23	0v		
23	GPI 24	Hot		
24	GPI 24	0v		
25	Not used			
0v is linked within frame to dbc1 system 0v.				
External contacts must be rated minimum 5v 10mA dc.				