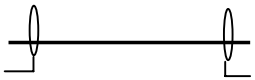
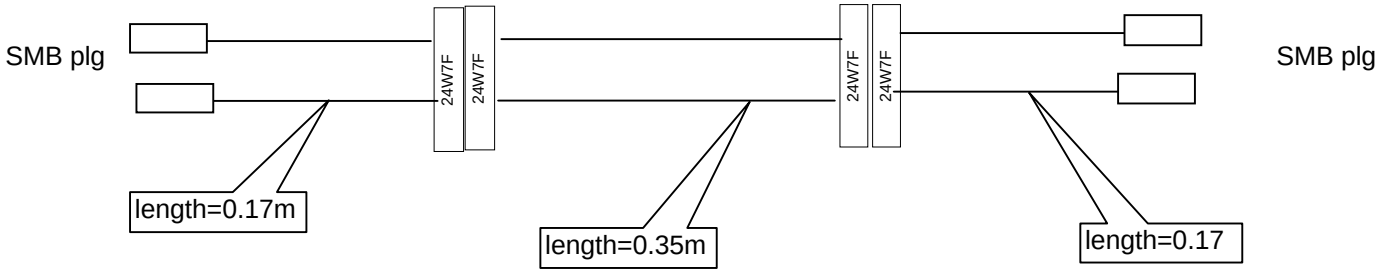
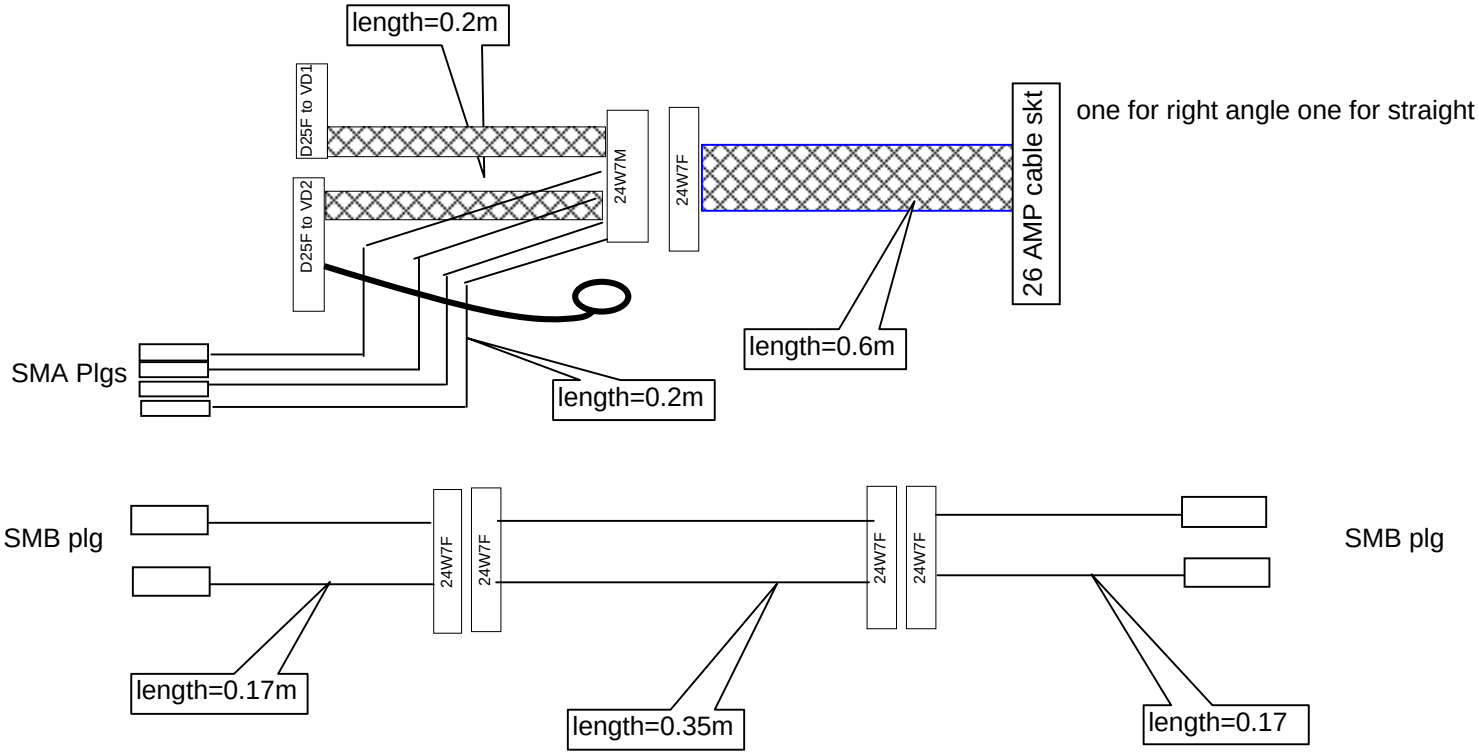
M:/ACT/NAOMI/XG_DOC/NAOMICABLE2.XLS			CABLING FOR 50MHz and Sync								
			Pins of 3W3 Plg/Skt				**Pins of 3W3 Plg/Skt**				
SMB Skt on			A1				A1			SMB Skt on	
Timing boards										Timing boards	
			out-ring				out-ring				
SMB Skt on			A3				A3			SMB Skt on	
Timing boards										Timing boards	
			out-ring				out-ring				

NOTE:
coax cable RG174, RS 388-259





Brain:
Please make two sets of cable for NAOMI, see following drawing
Thanks.
Gao 5/5/00

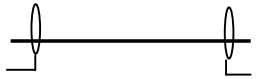


M:/ACT/NAOMI/XG_DOC/NAOMICABLE2.XLS CABLING FOR VIDOE AND BIAS

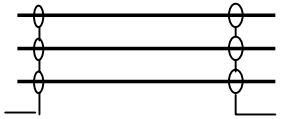
	Pins of D25F/ D25M on video Boards		Pins of 24W7 Plg/Skt		Pins of 26 AMP chassis Plg/cable Skt	pins of IDC26(connected to	signal name
SMA Skt on			A1		K	1	OUTD1
video boards					L	2	OUTD2
			out-ring		M	3,4	GND
SMA Skt on			A3		N	5	OUTC1
video boards					P	6	OUTC2
			out-ring		R	7	GND
ODR	1 (Bd1)		1		Z	9	ODR
RDR	2 (Bd1)		3		c	10	RDR
OGR	9 (Bd1)		5		X	11	OGR
GND	17 (Bd1)		7		Y	8	GND
OGL	9 (Bd2)		9		b	12	OGL
RDL	2 (Bd2)		11		S	13	RDL
ODL	1 (Bd2)		13		A	14	ODL
GND	18 (Bd1)		15		a	19	GND
				no wire	V	15	15V-
				no wire	W	17	15V+
SMA Skt on			out-ring		B	20	GND
video boards			A5		C	21	OUTB1
					D	22	OUTB2
SMA Skt on			out-ring		E	23	GND
video boards			A7		F	25	OUTA1
					G	26	OUTA2
	13(Bd2)		17		H	24	GND
					J		
		50way metal shell			AMP metal shell		
	24(bd2) fly lead						

Bd1,Bd2 refere Video board1 and board2

NOTE:
coax cable RG174, RS 388-259

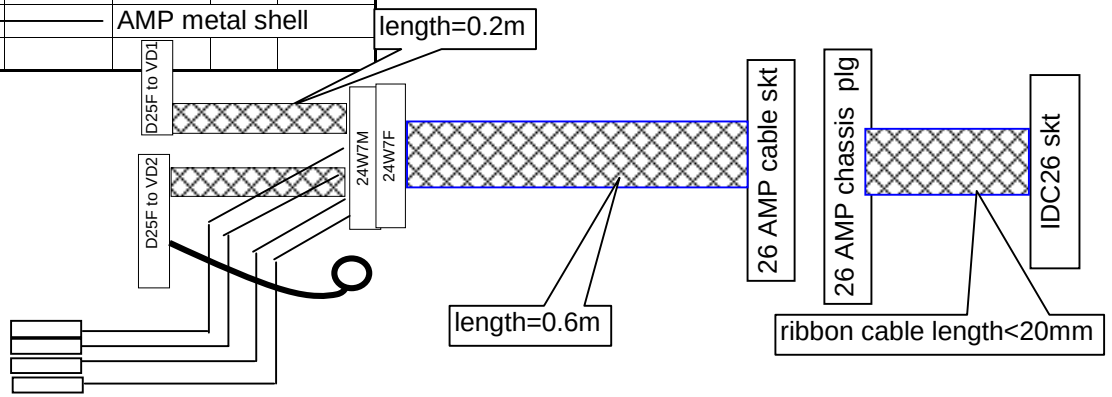


single wire with screen, RS 229-1494



out screen

22G wire



pin function for the Peltier cooler package CCD39A back illuminated

default setting for bisa										default setting for clock
										high / low
	nc	1						36	nc	
	nc	2						35	TS2	
	nc	3						34	TS2	
	os4	4		1	CCD	24		33	SS	
	ss	5		2		23		32	RR	4.09 / -8.27 v
	os3	6		3		22		31	I1	5.92/ -8.29 v
20.01v	ODR	7		4		21		30	I2	2.892/-8.27 v
7.99v	RDR	8		5		20		29	I3	2.88 / -8.27 v
-4.93v	OGR	9		6		19		28	R2	4.10 / -8.27 v
-4.93v	OGL	10		7		18		27	R3	4.10 / -8.27 v
7.99v	RDL	11		8		17		26	R1	4.096 /-8.27 v
20.01v	ODL	12		9		16		25	S3	2.889 /-8.27 v
	os2	13		10		15		24	S2	2.889 / -8.26 v
	ss	14		11		14		23	S1	5.93 / -8.26 v
	os1	15		12		13		22	RL	4.10/ -8.26 v
	TS1	16						21	nc	
	TS1	17						20	nc	
	nc	18						19	nc	

components for pre-amp board

		No./each bd require	three board require	components included	package	components ordered
RS264-4630	0.1uf16v	16	48	**50**	603	50
RS264-4646	0.1uf25v			**50**	603	50
FARNELL431-989	0.1u50V	6	18	**20**	603	20
FARNELL967-117	10u16v	2	6	**10**	MCCT	10
FARNELL568-612	0.1u50V	4	12	**15**	2220	15
FARNELL109312	1K	4	12	**50**	805	50
FARNELL109-330	1M	17	51	**100**	805	100
FARNELL109-314	2K2	8	24	**50**	805	50
FARNELL109-300	10R	2	6	**50**	805	50
FARNELL109-326	220K	8	24	**50**	805	50
FARNELL 554-807	6K81	4	12	**20**	805	20
FARNELL 515-115	120R	8	24	**50**	805	50
FARNELL 312-174	90 DEG 26 way PCB header	2	6	**6**		8
FARNELL 398-135	OP37	8	8	**8**	soic	20
arrow Electronics	AD797AR		8	**8**	soic	12
Silicon Concepts Ltd	OPA637AU		8		soic	
Arrow Catalogue 406806A	20 way IC socket single-in-line	2	6	**8**		8
Arrow Catalogue 406329E	90 Deg double row header	2	6	**30**		30
PCB board				**3**		

note

use one of the iteams in the block

	components for pre-amp board						
		compnents ordered	package	No./each bd require	three board require	order more	
RS264-4630	0.1uf16v	50	603	16	48	-2	
RS264-4646	0.1uf25v	50	603				
FARNELL431-989	0.1u50V	20	603	6	18	-2	
FARNELL967-117	10u16v	5	MCCT	2	6	1	5
FARNELL568-612	0.1u50V	10	2220	4	12	2	5
FARNELL109312	1K	50	805	4	12	-38	
FARNELL109-330	1M	50	805	17	51	1	50
FARNELL109-314	2K2	50	805	8	24	-26	
FARNELL109-300	10R	50	805	2	6	-44	
FARNELL109-326	220K	50	805	8	24	-26	
FARNELL 554-807	6K81	10	805	4	12	2	10
FARNELL 515-115	120R	50	805	8	24	-26	
FARNELL 312-174	90 DEG 26 way PCB header	4		2	6	2	4
FARNELL 398-135	OP37	20		8	24	4	
arrow Electronics	AD797AR						12
Silicon Concepts Ltd	OPA637AU						8
FARNELL 103-960	25 way IC socket single-in-line						
Arrow Catalogue 406806A	20 way IC socket single-in-line	4		2	6	2	4
Arrow Catalogue 406329E	90 Deg double row header	30		2	6	-24	

note

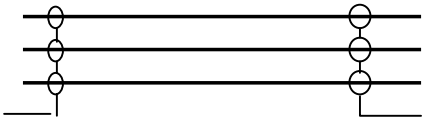
we can use one of the iteams in the block

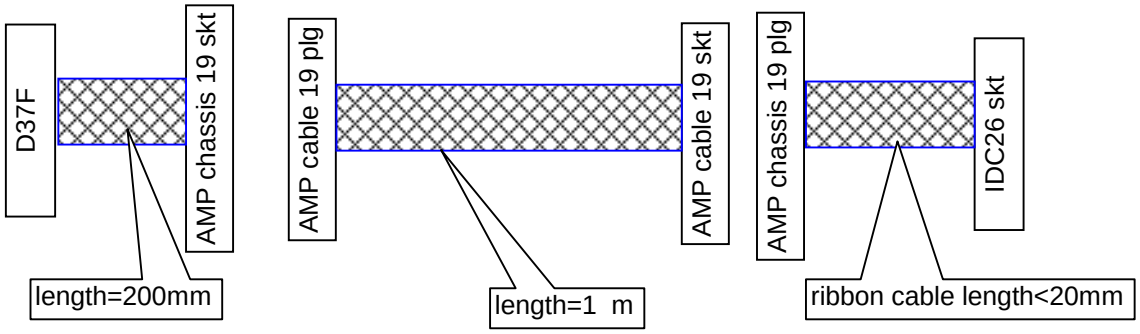
M:/ACT/NAOMI/XG_DOC/NAOMICABLE2.XLS CABLING FOR CLOCK

signal	D37F to D37M on Clk Bd inside SDSU controller	19 Pin AMP chassis socket/cable plug			19 Pin AMP chassis PLUG/cable SOCKET	IDC26 pin to J9 on Clk inside header
I1	6	M			M	21
I2	7	L			L	19
I3	8	K			K	17
GND	27, leave wire unconnected	N			N	22,20,18
R2	4	J			J	15
R3	5	H			H	13
R1	3	G			G	11
GND	23, leave wire unconnected	T			T	16,14,12
S3	11	F			F	9
S2	10	E			E	7
S1	9	D			D	5
GND	30, leave wire unconnected	S			S	10,8
RR	1	A			A	23
RL	2	C			C	3
GND	31, leave wire unconnected	P			P	24
GND	32, leave wire unconnected	B		~~wire 22G~~	B	2,4,6

NOTE

single wire with screen,RS229-1494



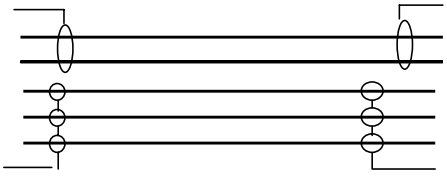


M:/ACT/NAOMI/XG_DOC/NAOMICABLE2.XLS CABLING FOR VIDOE AND BIAS

signal	D25F to D25M on VIDEO	SMA plg	26 Pin AMP chassis PLUG/cable SOCKET	IDC26 pin to J8
OUTD1		sig	K	1
OUTD2		gnd	L (twisted)	2
GND		leave wire unconnected	M	3,4
OUTC1		sig	N	5
OUTC2		gnd	P (twisted)	6
GND		leave wire unconnected	R	7
ODR	1 (Bd1)		Z	9
RDR	2 (Bd1)		c	10
OGR	9 (Bd1)		X	11
GND	leave wire unconnected		Y	8
OGL	9 (Bd2)		b	12
RDL	2 (Bd2)		S	13
ODL	1 (Bd2)		A	14
GND	leave wire unconnected		a	19
15V-			V	15
15V+			W	17
GND			B	20
OUTB1		sig	C	21
OUTB2		gnd	D (twisted)	22
GND	24(bd2) fly lead	leave wire unconnected	E	23
OUTA1		sig	F	25
OUTA2		gnd	G (twisted)	26
GND	13(Bd2)		H	24
GND	25(bd2)		J	23,24

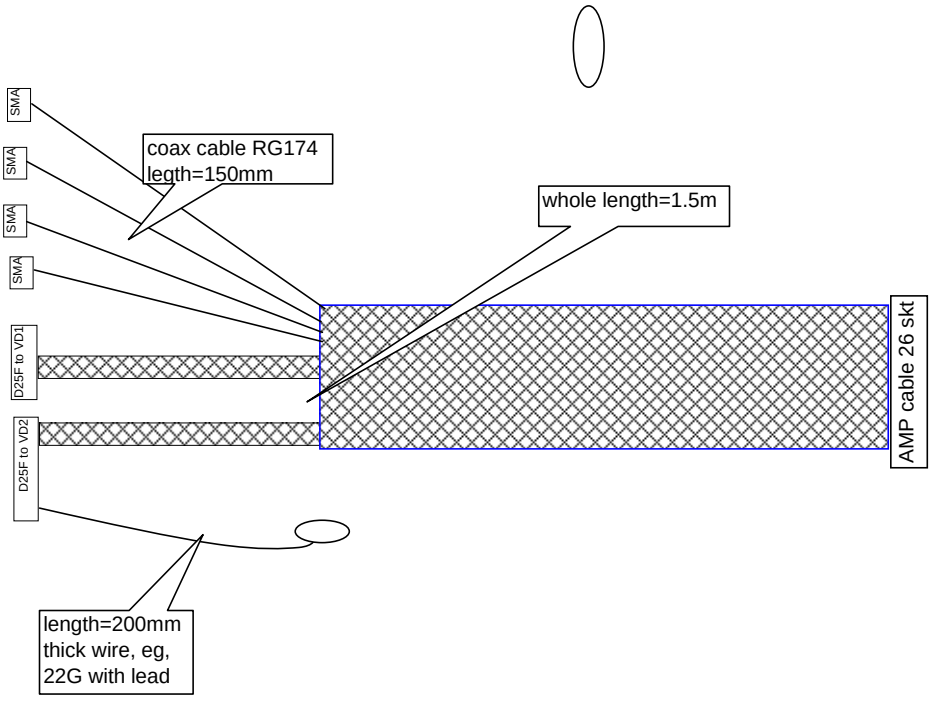
22G wire

NOTE:
twisted pair with screen Beldem 9810



single wire with screen, RS 229-1494

out screen



M:/ACT/NAOMI/XG_DOC/NAOMICABLE2.XLS CABLING FOR VIDOE AND BIAS

signal	D25F to D25M on VIDEO	header on receiver D25F to D25M on rec. bd		IDC50 pin on receiver	D50F Pin to receiver D50M		26 Pin AMP chassis PLUG/cable SOCKET	IDC26 pin to J8
OUTD1					3		K	1
OUTD2					19		L	2
GND				leave wire unconnected	2		M	3,4
OUTC1					21		N	5
OUTC2					4		P	6
GND				leave wire unconnected			R	7
ODR	1 (Bd1)		4	37	22		Z	9
RDR	2 (Bd1)		7	36	6		c	10
OGR	9 (Bd1)		3	35	23		X	11
GND				leave wire unconnected	5		Y	8
OGL	9 (Bd2)		1	33	24		b	12
RDL	2 (Bd2)		6	34	7		S	13
ODL	1 (Bd2)		2	31	8		A	14
GND				leave wire unconnected	9		a	19
15V-	15(Bd2)	1			1		V	15
15V+	14(Bd2)	3			18		W	17
GND				leave wire unconnected			B	20
OUTB1					9		C	21
OUTB2					25		D	22
GND	24(bd2) fly lead			leave wire unconnected	3		E	23
OUTA1					10		F	25
OUTA2					26		G	26
GND	13(Bd2)		5	40	44		H	24
GND	25(bd2)		9	42	27		J	23,24

twisted

twisted

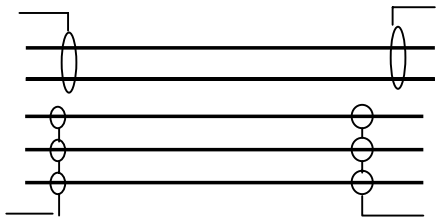
twisted

twisted

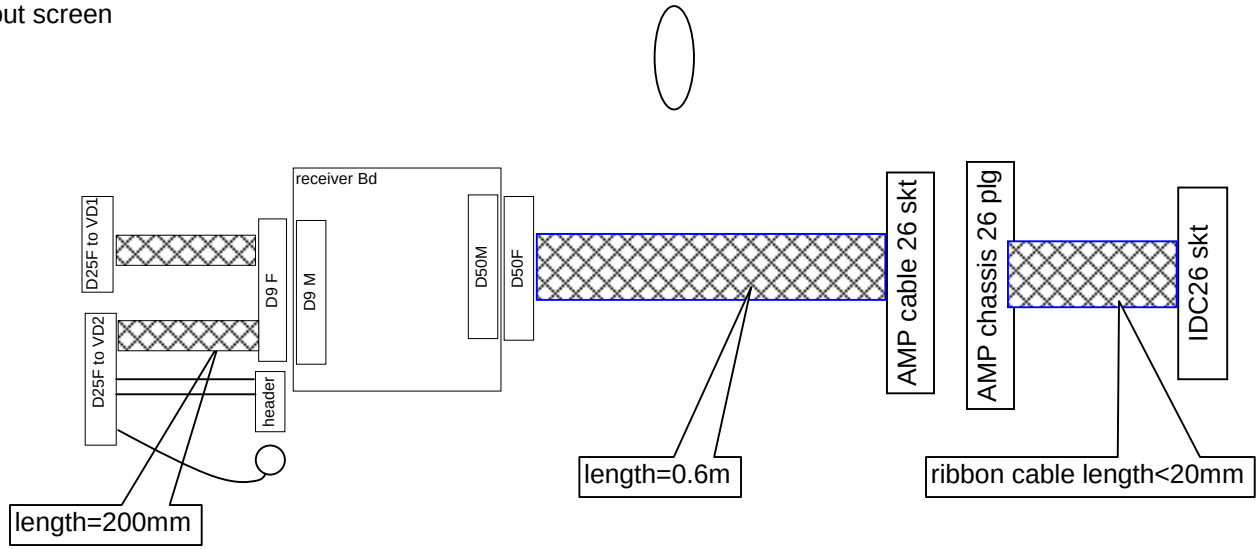
22G wire

NOTE:
twisted pair with screen Beldem 9810

single wire with screen, RS 229-1494



out screen



Bd1,Bd2 referes Video baoard1 nad board2