INTERNAL CABLING

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/	15-09-09 B. Scotti	N.A.	15/09/09	16/09/09	16.09.2009	16/9/09	

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AMS TCS

Condenser RAM Heaters and Thermostats cabling

CARLO GAVAZZI SPACE S.p.A.

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CABLING INFORMATION

IDENTIFICATION PARTS			REQUIREMENTS / TEST	
Item	**DESCRIPTION**	**PART NUMBER**	**REQUIREMENTS**	**ACCORDING TO**
J126	Circolar Connector	MS27497E8F98P		
	Backshell	M85049/49-2-8N		
J226	Circolar Connector	MS27497E8F98P		
	Backshell	M85049/49-2-8N		
TB1A	Terminal junction module 2x5 contact	M81714/6-DE1		
TB1B	Terminal junction module 2x5 contact	M81714/6-DE1		
P-RAM	P-RAM Condenser	ET5998-10 S/N : FM4		
S-RAM	S-RAM Condenser	ET5998-09 S/N : FM2		
HTP1/A	Heater	HNK5203R48.4L12B		
HTP1/B	Heater	HNK5203R48.4L12B	**1) MANUFACTURING**	
HTP2/A	Heater	HNK5203R48.4L12B	1.1) SOLDER AND JOINT	ECSS-Q-70-08A
HTP2/B	Heater	HNK5203R48.4L12B	1.2)GENERAL ASSEMBLY	47-AMS02TCS-200.00.00
HTP3/A	Heater	HNK5203R48.4L12B		
HTP3/B	Heater	HNK5203R48.4L12B		
HTP4/A	Heater	HNK5203R48.4L12B	**2) CRIMPING TEST**	
HTP4/B	Heater	HNK5203R48.4L12B		
HTP5/A	Heater	HNK5203R48.4L12B		
HTP5/B	Heater	HNK5203R48.4L12B	**3) TEST RETENTION**	N.A.
HTP6/A	Heater	HNK5203R48.4L12B		
HTP6/B	Heater	HNK5203R48.4L12B		
HTP7/A	Heater	HNK5203R48.4L12B		
HTP7/B	Heater	HNK5203R48.4L12B	**4) ELECTRICAL TEST**	N.A.

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CABLING INFORMATION

IDENTIFICATION PARTS			REQUIREMENTS / TEST	
HTP8/A	Heater	HNK5203R48.4L12B		
HTP8/B	Heater	HNK5203R48.4L12B		
HTS1/A	Heater	HNK5203R48.4L12B		
HTS1/B	Heater	HNK5203R48.4L12B		
HTS2/A	Heater	HNK5203R48.4L12B		
HTS2/B	Heater	HNK5203R48.4L12B		
HTS3/A	Heater	HNK5203R48.4L12B		
HTS3/B	Heater	HNK5203R48.4L12B		
HTS4/A	Heater	HNK5203R48.4L12B		
HTS4/B	Heater	HNK5203R48.4L12B		
HTS5/A	Heater	HNK5203R48.4L12B		
HTS5/B	Heater	HNK5203R48.4L12B		
HTS6/A	Heater	HNK5203R48.4L12B		
HTS6/B	Heater	HNK5203R48.4L12B		
HTS7/A	Heater	HNK5203R48.4L12B		
HTS7/B	Heater	HNK5203R48.4L12B		
HTS8/A	Heater	HNK5203R48.4L12B		
HTS8/B	Heater	HNK5203R48.4L12B		
HT1/1	Heater	1EFISG289001		
HT1/2	Heater	1EFISG288001		
HT1/3	Heater	1EFISG287001		
HT3/1	Heater	1EFISG287001		
HT3/2	Heater	1EFISG290001		
HT4/1	Heater	1EFISG287001		
HT4/2	Heater	1EFISG291001		

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CABLING INFORMATION

IDENTIFICATION PARTS				REQUIREMENTS / TEST	
HT4/3		Heater	1EFISG287001		
HT5/1		Heater	1EFISG290001		
HT5/2		Heater	1EFISG287001		
HT7/1		Heater	1EFISG287001		
HT7/2		Heater	1EFISG288001		
HT7/3		Heater	1EFISG289001		
	TSRAM CON1A	Thermostat	G311P641/03705S-13A005		
	TSRAM CON2A	Thermostat	G311P641/03705S-13A005		
	TSRAM CON3A	Thermostat	G311P641/03705S-13A005		
	TSRAM 1A	Thermostat	G311P641/03705S-13A005		
	TSRAM 2A	Thermostat	G311P641/03705S-13A005		
	TSRAM 3A	Thermostat	G311P641/03705S-13A005		
	TSRAM CON1B	Thermostat	G311P641/03705S-13A005		
	TSRAM CON2B	Thermostat	G311P641/03705S-13A005		
	TSRAM CON3B	Thermostat	G311P641/03705S-13A005		
	TSRAM 1B	Thermostat	G311P641/03705S-13A005		
	TSRAM 2B	Thermostat	G311P641/03705S-13A005		
	TSRAM 3B	Thermostat	G311P641/03705S-13A005		

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CONNECTION IDENTIFICATION DATA

FROM J126			TO CONDENSER PRIMARY RAM									WIRE / CABLE INFORMATION			
SIGNAL NAME	J126	REMARKS	TSRAM CON1A	TSRAM CON2A	TSRAM CON3A	TSRAM 1A	TSRAM2 A	TSRAM3 A			REMARKS	POS. n°	CABLE TYPE	TWISTED PAIR	REMARKS
AH_OUT10_RTN	A	1)-8)		1			1				6)-8)-9)	3	TP AWG 20	TP1	
AH_OUT10	B	1)-8)	1			1					6)-8)-9)	3	TP AWG 20	TP1	
SPARE	C	10)													
JUMPER							2	1			6)-8)	3	SW AWG 20		
JUMPER				2	1						6)-8)	3	SW AWG 20		

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CONNECTION IDENTIFICATION DATA

FROM J226			TO CONDENSER SECONDARY RAM									WIRE / CABLE INFORMATION			
SIGNAL NAME	J226	REMARKS	TSRAM CON1B	TSRAM CON2B	TSRAM CON3B	TSRAM 1B	TSRAM2 B	TSRAM3 B			REMARKS	POS. n°	CABLE TYPE	TWISTED PAIR	REMARKS
BH_OUT10_RTN	A	1)-8)		2			1				6)-8)-9)	3	TP AWG 20	TP2	
BH_OUT10	B	1)-8)	2			1					6)-8)-9)	3	TP AWG 20	TP2	
SPARE	C	10)													
JUMPER							2	1			6)-8)	3	SW AWG 20		
JUMPER				1	2						6)-8)	3	SW AWG 20		

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CONNECTION IDENTIFICATION DATA

FROM P-RAM TSRAMCON1A			TO PRIMARY CONDENSER RAM AND HTS6/A (secondary condenser)									WIRE / CABLE INFORMATION			
SIGNAL NAME	TSRAM CON1A	REMARKS	HTS6/A	HTP6/A	HTP8/A	HTP7/A	HTP1/A	HTP2/A			REMARKS	POS. n°	CABLE TYPE	TWISTED PAIR	REMARKS
AH_OUT10	2	6)-8)	1	1							5)-8)-11)		SW AWG 22		
JUMPER		5)-8)		2	2						5)-8)		SW AWG 22		
JUMPER		5)-8)			1	1					5)-8)		SW AWG 22		
JUMPER		5)-8)				2	2				5)-8)		SW AWG 22		
JUMPER		5)-8)					1	1			5)-8)		SW AWG 22		

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CONNECTION IDENTIFICATION DATA

FROM P-RAM TSRAMCON1A			TO PRIMARY CONDENSER RAM AND HTS6/A (secondary condenser)									WIRE / CABLE INFORMATION			
SIGNAL NAME	TSRAM CON1A	REMARKS	HTP2/A	HTP3/A	HTP4/A	HTP5/A					REMARKS	POS. n°	CABLE TYPE	TWISTED PAIR	REMARKS
JUMPER		5)-8)	2	2							5)-8)		SW AWG 22		
JUMPER		5)-8)		1	1						5)-8)		SW AWG 22		
JUMPER		5)-8)			2	2					5)-8)		SW AWG 22		

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CONNECTION IDENTIFICATION DATA

FROM TSRAMCON3A			TO PRIMARY CONDENSER RAM AND HTS6/A (secondary condenser)									WIRE / CABLE INFORMATION			
SIGNAL NAME	TSRAM CON3A	REMARKS	HTP5/A	HTS5/A							REMARKS	POS. n°	CABLE TYPE	TWISTED PAIR	REMARKS
AH_OUT10 RTN	2	6)-8)	1	1							5)-8)-11)		SW AWG 22		

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CONNECTION IDENTIFICATION DATA

FROM HTP6B			TO PRIMARY CONDENSER RAM									WIRE / CABLE INFORMATION			
SIGNAL NAME	HTP6B	REMARKS	HTP8/B	HTP7/B	HTP5/B	HTP4/B	HTP1/B	HTP2/B	HTP3/B		REMARKS	POS. n°	CABLE TYPE	TWISTED PAIR	REMARKS
BH_OUT10	2	5)-8)	1								5)-8)-11)		SW AWG 22		
JUMPER		5)-8)	2	1							5)-8)		SW AWG 22		
JUMPER		5)-8)		2			2				5)-8)		SW AWG 22		
JUMPER		5)-8)					1	1			5)-8)		SW AWG 22		
JUMPER		5)-8)						2	2		5)-8)		SW AWG 22		
JUMPER		5)-8)				1			1		5)-8)		SW AWG 22		
JUMPER		5)-8)			2	2					5)-8)		SW AWG 22		

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CONNECTION IDENTIFICATION DATA

FROM P-RAM TSRAMCON1B			TO SECONDARY CONDENSER RAM AND HTS6/B (primary condenser)									WIRE / CABLE INFORMATION			
SIGNAL NAME	TSRAM CON1B	REMARKS	HTP6B	HTS6B	HTS8B	HTS7B	HTS1B	HTS2B			REMARKS	POS. n°	CABLE TYPE	TWISTED PAIR	REMARKS
BH_OUT10	1	6)-8)	1	1							5)-8)-11)		SW AWG 22		
JUMPER		5)-8)		2	2						5)-8)		SW AWG 22		
JUMPER		5)-8)			1	1					5)-8)		SW AWG 22		
JUMPER		5)-8)				2	2				5)-8)		SW AWG 22		
JUMPER		5)-8)					1	1			5)-8)		SW AWG 22		

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CONNECTION IDENTIFICATION DATA

FROM TSRAMCON1B			TO SECONDARY CONDENSER RAM AND HTS6/B (primary condenser)									WIRE / CABLE INFORMATION			
SIGNAL NAME	TSRAM CON1B	REMARKS	HTS2B	HTS3B	HTS4B	HTS5B					REMARKS	POS. n°	CABLE TYPE	TWISTED PAIR	REMARKS
JUMPER		5)-8)	2	2							5)-8)		SW AWG 22		
JUMPER		5)-8)		1	1						5)-8)		SW AWG 22		
JUMPER		5)-8)			2	2					5)-8)		SW AWG 22		

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CONNECTION IDENTIFICATION DATA

FROM TSRAMCON3B			TO SECONDARY CONDENSER RAM AND HTS6/B (primary condenser)									WIRE / CABLE INFORMATION			
SIGNAL NAME	TSRAM CON3B	REMARKS	HTS5B	HTP5B							REMARKS	POS. n°	CABLE TYPE	TWISTED PAIR	REMARKS
AH_OUT10 RTN	1	6)-8)	1	1							5)-8)-11)		SW AWG 22		

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CONNECTION IDENTIFICATION DATA

FROM HTS6/A			TO SECONDARY CONDENSER RAM HEATERS									WIRE / CABLE INFORMATION			
SIGNAL NAME	HTS6/A	REMARKS	HTS8/A	HTS7/A	HTS5/A	HTS4/A	HTS1/A	HTS2/A	HTS3/A		REMARKS	POS. n°	CABLE TYPE	TWISTED PAIR	REMARKS
AH_OUT10	2	5)-8)	1								5)-8)-11)		SW AWG 22		
JUMPER		5)-8)	2	1							5)-8)		SW AWG 22		
JUMPER		5)-8)		2			2				5)-8)		SW AWG 22		
JUMPER		5)-8)					1	1			5)-8)		SW AWG 22		
JUMPER		5)-8)						2	2		5)-8)		SW AWG 22		
JUMPER		5)-8)				1			1		5)-8)		SW AWG 22		
JUMPER		5)-8)			2	2					5)-8)		SW AWG 22		

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Condenser RAM Heaters and Thermostats cabling

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CONNECTION IDENTIFICATION DATA

FROM TB1A			TO									WIRE / CABLE INFORMATION			
SIGNAL NAME	TB1A	REMARKS	TB1A	TSRAM1 A	TSRAM3 A	HT1/3	HT3/2	HT4/3	HT5/2	HT7/3	REMARKS	POS. n°	CABLE TYPE	TWISTED PAIR	REMARKS
AH_OUT10	A/1	2)-8)		2							6)-8)		SW AWG 22		
AH_OUT10	B/1														
SPARE	C/1														
AH_OUT10 RTN	D/1	2)-8)			2						6)-8)		SW AWG 22		
AH_OUT10 RTN	E/1	3)-8)				2					4)-8)		TP AWG 24		
JUMPER	F/1	2)-8)	G/1								2)-8)		SW AWG 22		
JUMPER	G/1	2)-8)	F/1								2)-8)		SW AWG 22		
SPARE	H/1														
JUMPER	J/1	2)-8)	K/1								2)-8)		SW AWG 22		
JUMPER	K/1	2)-8)	J/1								2)-8)		SW AWG 22		
AH_OUT10	A/2														
AH_OUT10	B/2														
SPARE	C/2														
AH_OUT10 RTN	D/2	3)-8)					2				4)-8)		TP AWG 24		
AH_OUT10 RTN	E/2	3)-8)						2			4)-8)		TP AWG 24		
AH_OUT10	F/2														
AH_OUT10	G/2														
SPARE	H/2														
AH_OUT10 RTN	J/2	3)-8)							2		4)-8)		TP AWG 24		
AH_OUT10 RTN	K/2	3)-8)								2	4)-8)		TP AWG 24		

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CONNECTION IDENTIFICATION DATA

FROM TB1A			TO									WIRE / CABLE INFORMATION			
SIGNAL NAME	TB1A	REMARKS	HT1/1	HT3/1	HT4/1	HT5/1	HT7/1				REMARKS	POS. n°	CABLE TYPE	TWISTED PAIR	REMARKS
AH_OUT10	A/1														
AH_OUT10	B/1	3)-8)	1								4)-8)		TP AWG 24		
SPARE	C/1														
AH_OUT10 RTN	D/1														
AH_OUT10 RTN	E/1														
JUMPER	F/1														
JUMPER	G/1														
SPARE	H/1														
JUMPER	J/1														
JUMPER	K/1														
AH_OUT10	A/2	3)-8)		1							4)-8)		TP AWG 24		
AH_OUT10	B/2	3)-8)			1						4)-8)		TP AWG 24		
SPARE	C/2														
AH_OUT10 RTN	D/2														
AH_OUT10 RTN	E/2														
AH_OUT10	F/2	3)-8)				1					4)-8)		TP AWG 24		
AH_OUT10	G/2	3)-8)					1				4)-8)		TP AWG 24		
SPARE	H/2														
AH_OUT10 RTN	J/2														
AH_OUT10 RTN	K/2														

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CONNECTION IDENTIFICATION DATA

FROM TB1B			TO									WIRE / CABLE INFORMATION			
SIGNAL NAME	TB1B	REMARKS	TB1B	TSRAM1 B	TSRAM3 B	HT1/3	HT3/2	HT4/3	HT5/2	HT7/3	REMARKS	POS. n°	CABLE TYPE	TWISTED PAIR	REMARKS
BH_OUT10	A/1	2)-8)		2							6)-8)		SW AWG 22		
BH_OUT10	B/1														
SPARE	C/1														
BH_OUT10 RTN	D/1	2)-8)			2						6)-8)		SW AWG 22		
BH_OUT10 RTN	E/1	3)-8)				4					4)-8)		TP AWG 24		
JUMPER	F/1	2)-8)	G/1								2)-8)		SW AWG 22		
JUMPER	G/1	2)-8)	F/1								2)-8)		SW AWG 22		
SPARE	H/1														
JUMPER	J/1	2)-8)	K/1								2)-8)		SW AWG 22		
JUMPER	K/1	2)-8)	J/1								2)-8)		SW AWG 22		
BH_OUT10	A/2														
BH_OUT10	B/2														
SPARE	C/2														
BH_OUT10 RTN	D/2	3)-8)					4				4)-8)		TP AWG 24		
BH_OUT10 RTN	E/2	3)-8)						4			4)-8)		TP AWG 24		
BH_OUT10	F/2														
BH_OUT10	G/2														
SPARE	H/2														
BH_OUT10 RTN	J/2	3)-8)							4		4)-8)		TP AWG 24		
BH_OUT10 RTN	K/2	3)-8)								4	4)-8)		TP AWG 24		

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Condenser RAM Heaters and Thermostats cabling

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CONNECTION IDENTIFICATION DATA

FROM TB1B			TO									WIRE / CABLE INFORMATION			
SIGNAL NAME	TB1B	REMARKS	HT1/1	HT3/1	HT4/1	HT5/1	HT7/1				REMARKS	POS. n°	CABLE TYPE	TWISTED PAIR	REMARKS
BH_OUT10	A/1														
BH_OUT10	B/1	3)-8)	3								4)-8)		TP AWG 24		
SPARE	C/1														
BH_OUT10 RTN	D/1														
BH_OUT10 RTN	E/1														
JUMPER	F/1														
JUMPER	G/1														
SPARE	H/1														
JUMPER	J/1														
JUMPER	K/1														
BH_OUT10	A/2	3)-8)		3							4)-8)		TP AWG 24		
BH_OUT10	B/2	3)-8)			3						4)-8)		TP AWG 24		
SPARE	C/2														
BH_OUT10 RTN	D/2														
BH_OUT10 RTN	E/2														
BH_OUT10	F/2	3)-8)				3					4)-8)		TP AWG 24		
BH_OUT10	G/2	3)-8)					3				4)-8)		TP AWG 24		
SPARE	H/2														
BH_OUT10 RTN	J/2														
BH_OUT10 RTN	K/2														

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AMS TCS

Condenser RAM Heaters and Thermostats cabling

CARLO GAVAZZI SPACE S.p.A.

FILE NAME	NEXT ASSY	PARTS LIST NUMBER	REV.
47-AMS02TCS-200.10.00.xls	47-AMS02TCS-200.00.00	47-AMS02TCS-200.10.00	/

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CONNECTION IDENTIFICATION DATA

FROM HT1/1			TO									WIRE / CABLE INFORMATION			
SIGNAL NAME	HT1/1	REMARKS	TB1A	TB1B	HT1/2	HT1/3					REMARKS	POS. n°	CABLE TYPE	TWISTED PAIR	REMARKS
AH_OUT10	2	4)-8)	B/1								3)-8)		TP AWG 24		
JUMPER	1	4)-8)			1						4)-8)		TP AWG 24		
BH_OUT10	4	4)-8)		B/1							3)-8)		TP AWG 24		
JUMPER	3	4)-8)			3						4)-8)		TP AWG 24		
JUMPER		4)-8)			2	1					4)-8)		TP AWG 24		
AH_OUT10 RTN		3)-8)	E/1			2					4)-8)		TP AWG 24		
JUMPER		4)-8)			4	3					4)-8)		TP AWG 24		
BH_OUT10 RTN		3)-8)		E/1		4					4)-8)		TP AWG 24		

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FILE NAME	NEXT ASSY	PARTS LIST NUMBER	REV.
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CONNECTION IDENTIFICATION DATA

FROM HT3/1			TO									WIRE / CABLE INFORMATION			
SIGNAL NAME	HT3/1	REMARKS	TB1A	TB1B	HT3/2						REMARKS	POS. n°	CABLE TYPE	TWISTED PAIR	REMARKS
AH_OUT10	1	4)-8)	A/2								3)-8)		TP AWG 24		
JUMPER	2	4)-8)			1						4)-8)		TP AWG 24		
BH_OUT10	3	4)-8)		A/2							3)-8)		TP AWG 24		
JUMPER	4	4)-8)			3						4)-8)		TP AWG 24		
AH_OUT10 RTN		3)-8)	D/2		2						4)-8)		TP AWG 24		
BH_OUT10 RTN		3)-8)		D/2	4						4)-8)		TP AWG 24		

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FILE NAME	NEXT ASSY	PARTS LIST NUMBER	REV.
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CONNECTION IDENTIFICATION DATA

FROM HT4/1			TO									WIRE / CABLE INFORMATION			
SIGNAL NAME	HT4/1	REMARKS	TB1A	TB1B	HT4/2	HT4/3					REMARKS	POS. n°	CABLE TYPE	TWISTED PAIR	REMARKS
AH_OUT10	1	4)-8)	B/2								3)-8)		TP AWG 24		
JUMPER	2	4)-8)			1						4)-8)		TP AWG 24		
BH_OUT10	3	4)-8)		B/2							3)-8)		TP AWG 24		
JUMPER	4	4)-8)			3						4)-8)		TP AWG 24		
JUMPER		4)-8)			2	1					4)-8)		TP AWG 24		
AH_OUT10 RTN		3)-8)	E/2			2					4)-8)		TP AWG 24		
JUMPER		4)-8)			4	3					4)-8)		TP AWG 24		
BH_OUT10 RTN		3)-8)		E/2		4					4)-8)		TP AWG 24		

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CONNECTION IDENTIFICATION DATA

FROM HT5/1			TO									WIRE / CABLE INFORMATION			
SIGNAL NAME	HT5/1	REMARKS	TB1A	TB1B	HT5/2						REMARKS	POS. n°	CABLE TYPE	TWISTED PAIR	REMARKS
AH_OUT10	1	4)-8)	F/2								3)-8)		TP AWG 24		
JUMPER	2	4)-8)			1						4)-8)		TP AWG 24		
BH_OUT10	3	4)-8)		F/2							3)-8)		TP AWG 24		
JUMPER	4	4)-8)			3						4)-8)		TP AWG 24		
AH_OUT10 RTN		3)-8)	J/2		2						4)-8)		TP AWG 24		
BH_OUT10 RTN		3)-8)		J/2	4						4)-8)		TP AWG 24		

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CONNECTION IDENTIFICATION DATA

FROM HT7/1			TO									WIRE / CABLE INFORMATION			
SIGNAL NAME	HT7/1	REMARKS	TB1A	TB1B	HT7/2	HT7/3					REMARKS	POS. n°	CABLE TYPE	TWISTED PAIR	REMARKS
AH_OUT10	1	4)-8)	G/2								3)-8)		TP AWG 24		
JUMPER	2	4)-8)			1						4)-8)		TP AWG 24		
BH_OUT10	3	4)-8)		G/2							3)-8)		TP AWG 24		
JUMPER	4	4)-8)			3						4)-8)		TP AWG 24		
JUMPER		4)-8)			2	1					4)-8)		TP AWG 24		
AH_OUT10 RTN		3)-8)	K/2			2					4)-8)		TP AWG 24		
JUMPER		4)-8)			4	3					4)-8)		TP AWG 24		
BH_OUT10 RTN		3)-8)		K/2		4					4)-8)		TP AWG 24		

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Legenda

SW	Single Wire
TP	Twisted pair
TSP	Twisted Shielded pair
HTP	Heater mount on primary ram condenser
HTS	Heater mount on secondary ram condenser

TOOLS

"A"	**Hand crimping tool**	CL-51	M22520/01-01	S/N : 773041
	Locator	CL-52	M22520/01-04	Red Position
	Selection Position	3		
"B"	**Hand crimping tool**	CL-278	M22520/02-01	
	Locator	CL-286	M22520/02-02	
	Selection Position	4		
"C"	**Hand crimping tool**	CL-278	M22520/02-01	
	Locator	CL-286	M22520/02-02	
	Selection Position	5		

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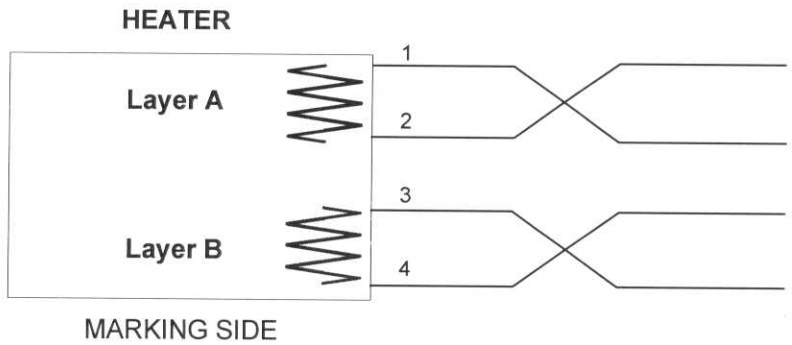
Notes

1) CRIMP WIRE AWG 20 TP TO FEMALE P/N : M39029/57-357 (OF CONNECTORJ126, J226) USING CRIMPING TOOL " A "

2) CRIMP WIRE AWG 22 TP TO MALE P/N : M39029/1-100 (OF JUNCTION TERMINAL MODULE) USING CRIMPING TOOL " B "

3) CRIMP WIRE AWG 24 TP TO MALE P/N : M39029/1-100 (OF JUNCTION TERMINAL MODULE) USING CRIMPING TOOL " C "

4) FOR CONNECTING THE HEATER SOLDER THE WIRE ACCORDING TO ECSS-Q-70-08A , USE THE WIRE CONNECT OF HEATER, USE SOLDER In95-Pb05 AND PROTECT JUNCTION WITH HEAT-SHRINKABLE INSULATE SLEEVE RT-220.



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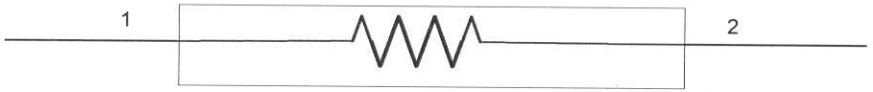
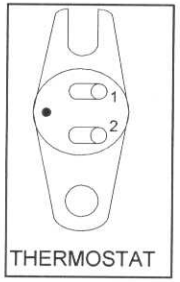
5) FOR CONNECTING THE HEATER SOLDER THE WIRE ACCORDING TO ECSS-Q-70-08A , USE THE WIRE CONNECT OF HEATER, USE SOLDER In95-Pb05 AND PROTECT JUNCTION WITH HEAT-SHRINKABLE INSULATE SLEEVE RT-220.

HEATER



6) FOR CONNECTING THE THERMOSTAT SOLDER THE WIRE ACCORDING TO ECSS-Q-70-08A (HOOK) USE SOLDER In95-Pb05 AND PROTECT JUNCTION WITH HEAT-SHRINKABLE INSULATE SLEEVE RT-220.



7) ASSEMBLE MALE CONTACT P/N : M39029/57-357 (OF CONNECTOR)

8) MARKER THE WIRE WITH THE NAME OF ITEM END THE NAME OF PIN (EX. TB1/6A-A/1)
USE HEAT-SHRINKABLE INSULANT SLEEVE p/n : TMS-SCE-1K-3/16-2.0-9

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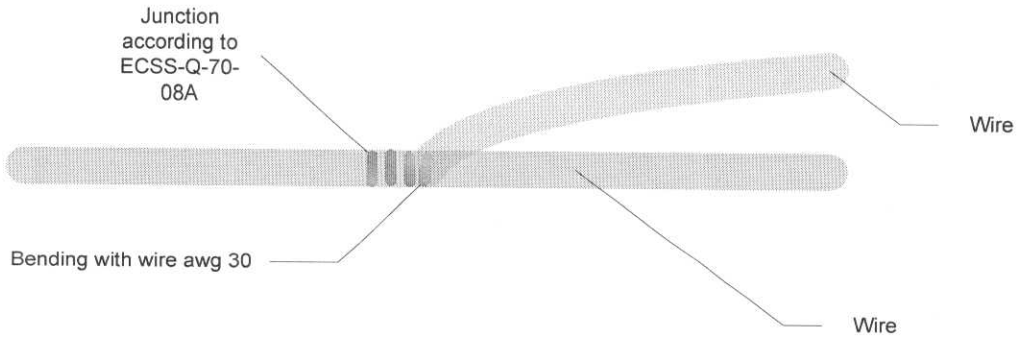
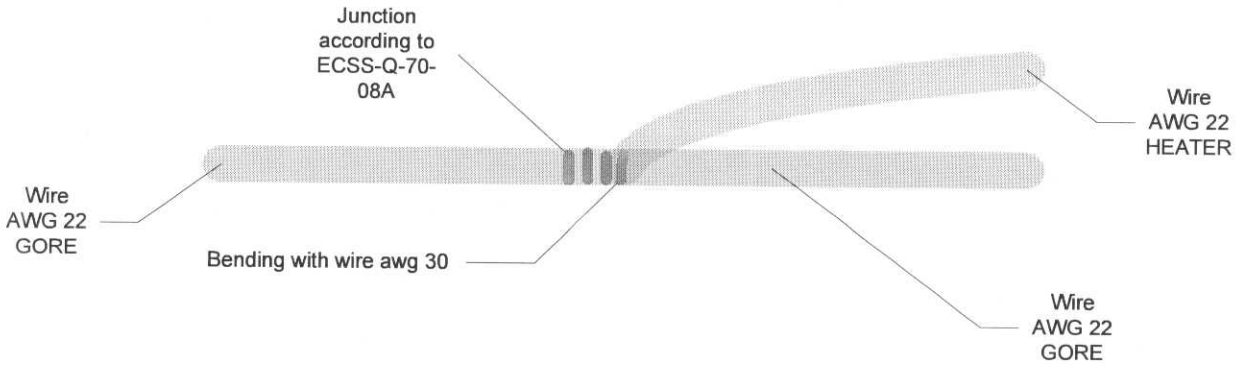
9) SOLDER THE WIRE ACCORDING TO ECSS-Q-70-08A (USE SOLDER In95-Pb05) SEE DRAWING, COVER THE SOLDER JOINT WITH HEAT-SHRINKABLE INSULATE SLEEVE RT-220.



10) INSERT FEMALE SPARE PIN P/N : M39029/57-357

11) SOLDER THE WIRE ACCORDING TO ECSS-Q-70-08A (USE SOLDER In95-Pb05) SEE DRAWING, COVER THE SOLDER JOINT WITH HEAT-SHRINKABLE INSULATE SLEEVE RT-220.



DRAWING TITLE

AMS TCS
Condenser RAM Heaters and Thermostats cabling
Parts list

CARLO GAVAZZI SPACE S.p.A.

FILE NAME	NEXT ASSY	PARTS LIST NUMBER	REV.
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POS.	DESCRIPTION	SPECIFICATION / PROC. SPEC	SUPPLIER	PART NUMBER / ID. CODE	ISSUE REV.	CGS CODE / MATERIAL	-01 Q.TY	-02 Q.TY	-03 Q.TY	-04 Q.TY	DATA CODE	S/N	REMARKS
1	Female pin circolar connector awg 20	MIL-C-39029/58	Amphenol Pcd	M39029/57-357			6						
2	Pin male of junction terminal module	MIL-C-39029/1	Amphenol Pcd	M39029/1-100									
3	Wire TP awg 20	ESA/SCC 3901/018	Gore	ESA/SCC 3901/018-16B			A.R.						
4	Single wire awg 22	ESA/SCC 3901/018	Gore	ESA/SCC 3901/018-15B			A.R.						
5	Single wire awg 24	ESA/SCC 3901/018	Gore	ESA/SCC 3901/018-05B			A.R.						