

A,B	RP1	Cable f	rom Rim box to PAC (PA	AX Case)					
B   TEC power					Size	Color	Twist	Length	Comment
C Shield #18 -		Α	TEC power		#16		Z		
D dewar diode 1 #24 Y E dewar diode 2 #24 Y F SPARE #16 X G SPARE #16 X H SPARE #16 X J SPARE #16 V U J SPARE #16 V C compressor power #16 V C compressor power #16 V M Shield #18 - C C cryoccoler them 2 #24 U C - Cryoccoler them 1 #24 U C - Cryoccoler them 1 #24 U C - Cryoccoler them 1 #24 U C - Cryocsoler them 1 #24 U C - Cryocsoler them 1 #24 U C - Cryocsoler them 1 #24 S S GND #24 T T PAXTEC them 1 #24 S V GND #24 R V GND #24 R V +6sense #24 Q V GND #24 R X +5sense #24 Q V SSense #24 Q V SSense #24 Q V SSense #24 Q C S +5V #24 P A GND #24 P B GND #24 M C +5Sense #24 Q C S +6V #24 M B GND #24 M B		В	TEC power		#16		Z		
D dewar diode 1 #24 Y E dewar diode 2 #24 Y F SPARE #16 X G SPARE #16 X H SPARE #16 X J SPARE #24 W J SPARE #24 W J SPARE #16 V L compressor power #16 V L compressor power #16 V M Shield #18 - Cryocooler therm 2 #24 U C-Cryocooler therm 1 #24 U C-Cryocooler therm 1 #24 U C-CRYOCOOLER TO T CRYOCOOLER T CR		С			#18		-		
E dewar diode 2 #24 Y F SPARE #16 X G SPARE #16 X H SPARE #24 W J SPARE #24 W J SPARE #16 V L compressor power #16 V L compressor power #16 V M Shield #18 ryoccoler therm 2 #24 U - cryoccoler therm 1 #24 U - cryoccoler therm 1 #24 U - ryoccoler therm 1 #24 T R -5V #24 T S GND #24 T T PAXTEC therm 1 #24 S V GND #24 R V H6sense #24 R X +5sense #24 R X +5sense #24 Q Y -5sense #24 Q Z +5V #24 P B GND #24 M C C +6V C			dewar diode 1		#24		Υ		
F SPARE #16 X H SPARE #24 W J SPARE #24 W K compressor power #16 V L compressor power #16 V M Shield #18 - Cryocooler therm 2 #24 U R Cryocooler therm 1 #24 U R Cryocooler therm 1 #24 T R -5V #24 T T PAXTEC therm 1 #24 S GND #24 R V GND #24 R V GND #24 R X +5sense #24 Q Y -5sense #24 Q X + 6ND #24 P B GND #24 P C +6V #24 D C +6V #24 D C Shield #18 D D dewar diode 1 #24 M B TEC power #16 C Shield #18 D dewar diode 2 #24 E dewar diode 2 #24 E dewar diode 2 #24 K compressor power #16 H SPARE #16 H SPAR			dewar diode 2						
G SPARE #16 X H SPARE #24 W J SPARE #24 W K compressor power #16 V L compressor power #16 V M Shield #18 cryoccoler therm 2 #24 U - cryoccoler therm 1 #24 U R -5V #24 T S GND #24 T T PAXTEC therm 1 #24 S U PAXTEC therm 2 #24 S V GND #24 R V GND #24 R X +5sense #24 R X +5sense #24 Q Y -5sense #24 Q Y -5sense #24 Q Z + +5V #24 P a GND #24 P b GND #24 P b GND #24 R  X H5sense #24 Q X +5sense #24 Q X +5sense #24 Q X +5sense #24 Q X +5sense #24 Q X +5v #24 P A GND #24 M B GND #24 M									
H   SPARE									
J SPARE									
K compressor power L compressor power H16 V M Shield H18									
L compressor power #16 V M Shield #18 - N cryocooler therm 2 #24 U cryocooler therm 1 #24 U R -5V #24 T T PAXTEC therm 1 #24 S GND #24 S V GND #24 R W +6sense #24 R X +5sense #24 Q Y -5sense #24 Q Z +5V #24 P a GND #24 P b GND #24 P b GND #24 P b GND #24 P C +6V #24 Q C + +5V #24 P B GND #24 P B GND #24 P C +6V #24 D D dewar diode 1 #24 D D dewar diode 1 #24 D D dewar diode 1 #24 D G SPARE #16 G C Shield #18 D G SPARE #16 G G SPARE #16 G G SPARE #16 G S SPARE #16 H SPARE #24 S COIOR Twist Length Comment Comment L compressor power #16 L C compressor power #16 M Shield #18 N C cryoccoler therm 2 #24									
M Shield #18 - N cryoccooler therm 2 #24 U - cryoccooler therm 1 #24 U R -5V #24 T S GND #24 T T PAXTEC therm 1 #24 S V GND #24 R W +6sense #24 R X +5sense #24 Q Y -5sense #24 Q Y -5sense #24 Q Z +5V #24 P B GND #24 D C +6V #24 D C +6V #24 D C C									
N							V		
cryocooler therm 1 #24 U 54" R -5V #24 T S GND #24 T T PAXTEC therm 1 #24 S U PAXTEC therm 2 #24 S V GND #24 R W +6sense #24 R X +5sense #24 Q Y -5sense #24 Q Z +5V #24 P B GND #24 P B GND #24 P B GND #24 P C +6V #24 O C +6V #24 O C +6V #24 M E +5V #24 M							-		
R -5V #24 T S GND #24 T T PAXTEC therm 1 #24 S U PAXTEC therm 2 #24 S V GND #24 R W +6sense #24 R X +5sense #24 Q Y -5sense #24 Q Z +5V #24 P a GND #24 P b GND #24 P b GND #24 M b GND #24 M b GND #24 M c +6V #24 O d GND #24 M e +5V #24 M A UTG620-28SN B UTG620-28SN B UTG620-28SN B TEC power #16 C Shield #18 D dewar diode 1 #24 E dewar diode 2 #24 F SPARE #16 G SPARE #16 G SPARE #16 H SPARE #24 K compressor power #16 L compressor power #16 L compressor power #16 M Shield #18 N cryoccoler therm 2 #24									
S								54"	
T PAXTEC therm 1 #24 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$									
U									
V   GND									
W									
X									
Y       -5sense       #24       Q         Z       +5V       #24       P         a       GND       #24       P         b       GND       #24       O         c       +6V       #24       M         d       GND       #24       M         e       +5V       #24       M     A UTG620-28SN   RW1  Cable inside rim box from bottom connector to components for RP1  A Description B,C,D,E,F,G Size Color Twist Length Comment  A TEC power #16  B TEC power #16  C Shield #18  D dewar diode 1 #24  E dewar diode 2 #24  E dewar diode 2 #24  F SPARE #16  G SPARE #16  G SPARE #16  H SPARE #16  H SPARE #24  J SPARE #24  J SPARE #24  K compressor power #16  L compressor power #16  L compressor power #16  M Shield #18  N cryocooler therm 2 #24									
Z									
a GND #24 P b GND #24 O c +6V #24 O d GND #24 M e +5V #24 M  A UTG620-28SN B UTG620-28SN B UTG620-28SN  RW1 Cable inside rim box from bottom connector to components for RP1  A Description B,C,D,E,F,G Size Color Twist Length Comment A TEC power #16 B TEC power #16 C Shield #18 D dewar diode 1 #24 E dewar diode 2 #24 F SPARE #16 G SPARE #16 G SPARE #16 H SPARE #16 H SPARE #24 J SPARE #16 H SPARE #24 K compressor power #16 L compressor power #16 M Shield #18 N cryocooler therm 2 #24									
B									
C									
Cable inside rim box from bottom connector to components for RP1   Cable inside rim box from bottom connector to components for RP1   A									
e         +5V         #24         M           A         UTG620-28SN         UTG620-28SN           RW1         Cable inside rim box from bottom connector to components for RP1           A         Description         B,C,D,E,F,G         Size         Color         Twist         Length         Comment           A         TEC power         #16           B         TEC power         #16           C         Shield         #24           E         dewar diode 1         #24           F         SPARE         #16           H         SPARE         #24           H         SPARE         #24           J         SPARE         #24           K         Compressor power         #16           L         Compressor power         #16           M         Shield         #18           N         Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Cols									
A UTG620-28SN B UTG620-28SN  RW1 Cable inside rim box from bottom connector to components for RP1  A Description B,C,D,E,F,G Size Color Twist Length Comment  A TEC power #16 B TEC power #16 C Shield #18 D dewar diode 1 #24 E dewar diode 2 #24 F SPARE #16 G SPARE #16 H SPARE #16 H SPARE #24 J SPARE #24 J SPARE #24 J SPARE #24 K compressor power #16 L compressor power #16 M Shield #18 N cryocooler therm 2 #24									
RW1 Cable inside rim box from bottom connector to components for RP1  A Description B,C,D,E,F,G Size Color Twist Length Comment  A TEC power #16 B TEC power #16 C Shield #18 D dewar diode 1 #24 E dewar diode 2 #24 F SPARE #16 G SPARE #16 H SPARE #16 H SPARE #24 J SPARE #24 J SPARE #24 J SPARE #24 K compressor power #16 L compressor power #16 M Shield #18 N cryocooler therm 2 #24					#24		M		
RW1 Cable inside rim box from bottom connector to components for RP1  A Description B,C,D,E,F,G Size Color Twist Length Comment  A TEC power #16 B TEC power #16 C Shield #18 D dewar diode 1 #24 E dewar diode 2 #24 F SPARE #16 G SPARE #16 H SPARE #16 H SPARE #24 J SPARE #24 J SPARE #24 J SPARE #24 K compressor power #16 L compressor power #16 L compressor power #16 M Shield #18 N cryocooler therm 2 #24									
A         Description         B,C,D,E,F,G         Size         Color         Twist         Length         Comment           A         TEC power         #16           B         TEC power         #16           C         Shield         #18           D         dewar diode 1         #24           E         dewar diode 2         #24           F         SPARE         #16           G         SPARE         #16           H         SPARE         #24           J         SPARE         #24           K         compressor power         #16           L         compressor power         #16           M         Shield         #18           N         cryocooler therm 2         #24		В	UTG620-28SN						
A         Description         B,C,D,E,F,G         Size         Color         Twist         Length         Comment           A         TEC power         #16           B         TEC power         #16           C         Shield         #18           D         dewar diode 1         #24           E         dewar diode 2         #24           F         SPARE         #16           G         SPARE         #16           H         SPARE         #24           J         SPARE         #24           K         compressor power         #16           L         compressor power         #16           M         Shield         #18           N         cryocooler therm 2         #24	D) 4/4	0 11 1							
A TEC power #16 B TEC power #16 C Shield #18 D dewar diode 1 #24 E dewar diode 2 #24 F SPARE #16 G SPARE #16 H SPARE #16 H SPARE #24 J SPARE #24 K compressor power #16 L compressor power #16 M Shield #18 N cryocooler therm 2 #24	RW1						Twict	Longth	Comment
B TEC power #16 C Shield #18 D dewar diode 1 #24 E dewar diode 2 #24 F SPARE #16 G SPARE #16 H SPARE #24 J SPARE #24 K compressor power #16 L compressor power #16 M Shield #18 N cryocooler therm 2 #24				<b>Б,С,</b> D, <b>⊑,</b> F, <b>G</b>		Color	ıwısı	Length	Comment
C Shield #18 D dewar diode 1 #24 E dewar diode 2 #24 F SPARE #16 G SPARE #16 H SPARE #24 J SPARE #24 K compressor power #16 L compressor power #16 M Shield #18 N cryocooler therm 2 #24									
D dewar diode 1 #24 E dewar diode 2 #24 F SPARE #16 G SPARE #16 H SPARE #24 J SPARE #24 K compressor power #16 L compressor power #16 M Shield #18 N cryocooler therm 2 #24									
E dewar diode 2 #24 F SPARE #16 G SPARE #16 H SPARE #24 J SPARE #24 K compressor power #16 L compressor power #16 M Shield #18 N cryocooler therm 2 #24									
F       SPARE       #16         G       SPARE       #16         H       SPARE       #24         J       SPARE       #24         K       compressor power       #16         L       compressor power       #16         M       Shield       #18         N       cryocooler therm 2       #24									
G SPARE #16 H SPARE #24 J SPARE #24 K compressor power #16 L compressor power #16 M Shield #18 N cryocooler therm 2 #24									
H SPARE #24 J SPARE #24 K compressor power #16 L compressor power #16 M Shield #18 N cryocooler therm 2 #24									
J SPARE #24 K compressor power #16 L compressor power #16 M Shield #18 N cryocooler therm 2 #24									
K compressor power #16 L compressor power #16 M Shield #18 N cryocooler therm 2 #24									
L compressor power #16 M Shield #18 N cryocooler therm 2 #24									
M Shield #18 N cryocooler therm 2 #24			·						
N cryocooler therm 2 #24									
cryocooler therm 1 #24		N							
			cryocooler therm 1		#24				

	R S T U V W X Y Z a b c d e A B C D E F G	-5V GND PAXTEC therm 1 PAXTEC therm 2 GND +6sense +5sense -5sense +5V GND GND +6V GND +5V UTG620-28SN		#24 #24 #24 #24 #24 #24 #24 #24 #24 #24				
RW2	24V froi	m power supply to S	TI supply					
	A, B	Description		Size	Color	Twist	Length	Comment
		1 2						
	Α	Tyco 1-480698(n	ewark 46F20	63) with 2 cont	acts Tyco 3	50550-2(Ne	wark 90F56	56)
	В	Tyco 1-480698(n	ewark 46F20	63) with 2 cont	acts Tyco 3	50550-2(Ne	ewark 90F56	56)
RW3		om STI to ucntrlr						
	<b>A,B</b> A B	Description 1 2 3		Size	Color	Twist	Length	Comment
RW4		C to ucntrlr						
	Α	Description	В	Size	Color	Twist	Length	Comment
	Α							
	В							
RW5	24V fro	m power supply to TE	=C board					
11170	A	Description	В	Size	Color	Twist	Length	
RW6	connect	tion from power mgm	it board to co	ntrol board				
	Α	Description	В	Size	Color	Twist	Length	

