

FEE-to-RDO Cable & Connector Pinout

Dec 20, 2004

Version: alpha

- “Pin” is only the “pin count” currently!
- Blue are ALTRO bus specific signals.
- Black are power/ground.
- Red are FEE/RDO internal.

Pin	NAME	Dir	Pol	Standard	Comment
40	DATA	bidi	H	GTL+	ALTRO data/ address
1	WRITE_GT	In	L	GTL+	Bus direction: write lo/read hi
1	CSTB_GT	In	L	GTL+	
1	ACKN_GT	Out	L	GTL+	
1	ERROR_GT	Out	L	GTL+	An ALTRO signals ERROR!
1	TRSF_GT	Out	L	GTL+	
1	DSTB_GT	Out	L	GTL+	
1	L1_GT	In	L	GTL+	STAR L0 trigger
1	L2_GT	In	L	GTL+	Some form of a L2_ACCEPT
1	RST_GT	In	L	GTL+	Reset ALTROs
1	SCLK_GT	In	-	GTL+	Sampling (aka ADC) clock
1	RCLK_GT	In	-	GTL+	Readout clock
1	PRESENT	Out	L	? (open drain)	FEE pulls this low to indicate that at least one FEE (cable) is connected.
2	4V0IN	In	-	+4V	ONLY used by the PASA
2	3V3IN	In	-	+3.3V	Used by all other devices
2	PASAGND	In	-	GND	ONLY used by the PASA
2	GND	In	-	GND	Both DGND & AGND

51 ALTRO bus signals
 1 FEE/RDO specific signals
 8 Power/Ground signals

60 Total