FEB2 Board lpGBT to Fiber Mapping Summary

Feb 24, 2025

The table below summarizes the mapping of FEB2 board lpGBT downlinks and uplinks to the MTP fibers connected to the board front panel. Here panel position "Top" means the panel MTP connector closest to board power connector and "Bottom" means the panel MTP connector furthest away. This mapping applies to the final "production" version of the VTRx+ fiber "pigtail" design was verified with the v2.5 prototype board design. The table agrees with the information provided in spreadsheet file "FEB2_fiber_routing_June-19-2024.xlsx".

lpGBT Name	MTP Fiber Name/Panel Position	Downlink MTP Fiber #	Uplink MTP Fiber #
lpGBT1	MTP 1 / Bottom	-	1
lpGBT2	MTP 1 / Bottom	-	2
lpGBT3	MTP 1 / Bottom	-	3
lpGBT4	MTP 1 / Bottom	-	4
lpGBT5	MTP 1 / Bottom	-	5
lpGBT6	MTP 1 / Bottom	-	6
lpGBT7	MTP 1 / Bottom	-	7
lpGBT8	MTP 1 / Bottom	-	8
lpGBT9	MTP 1 / Bottom	-	9
lpGBT10	MTP 1 / Bottom	-	10
lpGBT11	MTP 1 / Bottom	-	11
lpGBT12	MTP 2 / Middle	6	5
lpGBT13	MTP 2 / Middle	12	11
lpGBT14	MTP 3 / Top	-	1
lpGBT15	MTP 3 / Top	-	2
lpGBT16	MTP 3 / Top	-	3
lpGBT17	MTP 3 / Top	-	4

IpGBT18	MTP 3 / Top	-	5
IpGBT19	MTP 3 / Top	-	6
IpGBT20	MTP 3 / Top	-	7
IpGBT21	MTP 3 / Top	-	8
IpGBT22	MTP 3 / Top	-	9
IpGBT23	MTP 3 / Top	-	10
IpGBT24	MTP 3 / Top	-	11