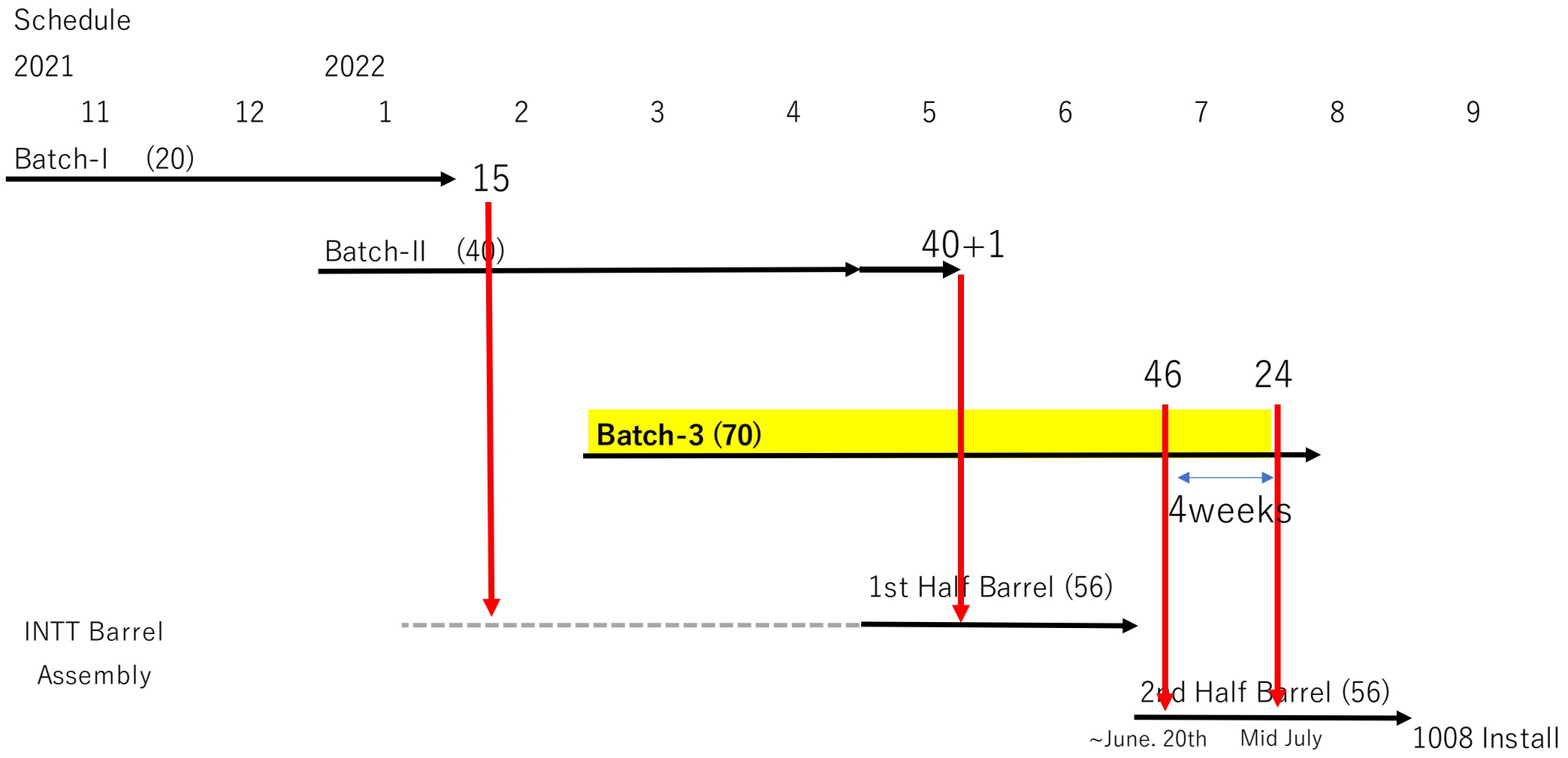
Production Status

RIKEN/RBRC

Itaru Nakagawa

Bus Extender Production Batch-II, III



Total Qty. in BNL	15	56	102	126

INTT Production Status

Today

* Beyond 112 are spares

2022	1	2	3	4	5	6	7	8	Qty*	Status
Silicon									135	Done
HDI									176	Done
Stave									204	Done
Bus Extender	Batch-1(20)			Batch-2(40)					130	Production
		Contract					Batch-3(70)			
Conversion Cable	Prototype-1		Contract	Prototype-2		Test	Production (130)		130	Prototype
Beam Clock Board	Design		Public bid	Preproduction(2)			Test		20	Prototype
				Parts procurement		fabrication		Production(18)		
Barrel Assembly										

- 47 BEX are to be delivered in week of June 20th.
- Finalize design of the conversion cable for production.
- To be delivered beam clock board by the end of of June. Cables need to be prepared

Exporting μ-Coax Prototype-II to BNL

- Paper works are done.
- Arranged pick up next Tuesday 6/14

ROC Boards Export

index	shipped	A1	A2	A3	B1	B2	B3	C1	C2	C3	D1	D2	D3
1	NE0												
2	NE1												
3	NE2												
4	NE3												
5	NE4												
6	NE5												
7	SW5												
8	NW1												
9	NW2												
10	NW3												
11	NW4												
12	SE0												
13	SE1												
14	SE2												
15	SE3												
16	SE4												
17	29												

index	packed	A1	A2	A3	B1	B2	B3	C1	C2	C3	D1	D2	D3
1	ROC7												
2	ROC9												

6/14 Regulator Upgrade & DF18 Replacement

class 1	11	class 1 → All good!
class 2	5	class 2 → Bad port less than 2
class 3	3	class 3 →Bad port more than 3

Shipped to BNL already

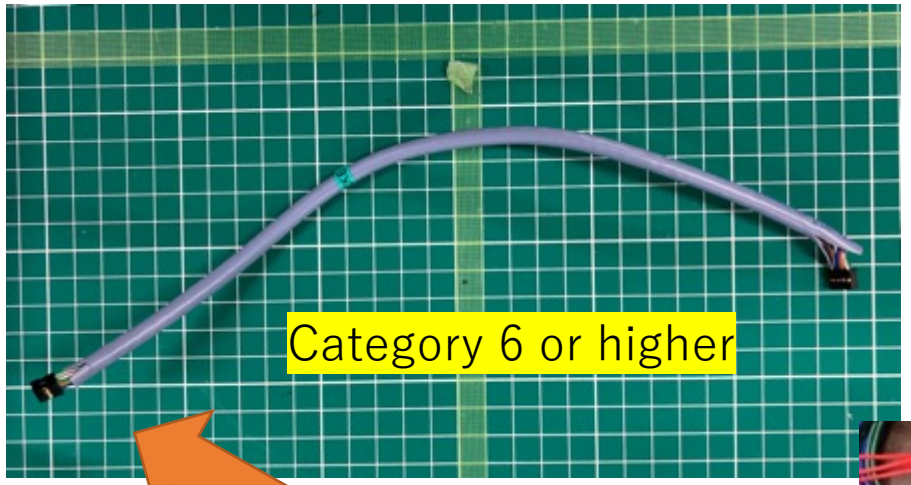
6/14 Shipping to BNL (➡5 good ROCs + *NE5)

*NE5 has port which doesn't latch data fiber

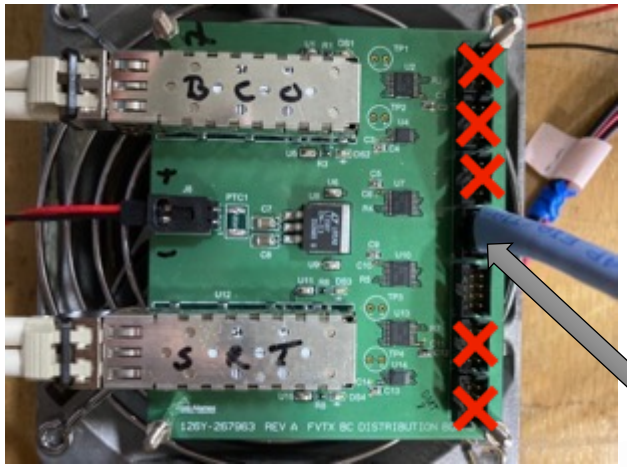
BNL suppose to have 6+5=11 class 1 ROCs. (Goal is 16 Class-1 ROCs)

BCDB Update

Custom Made Beam Clock Cable

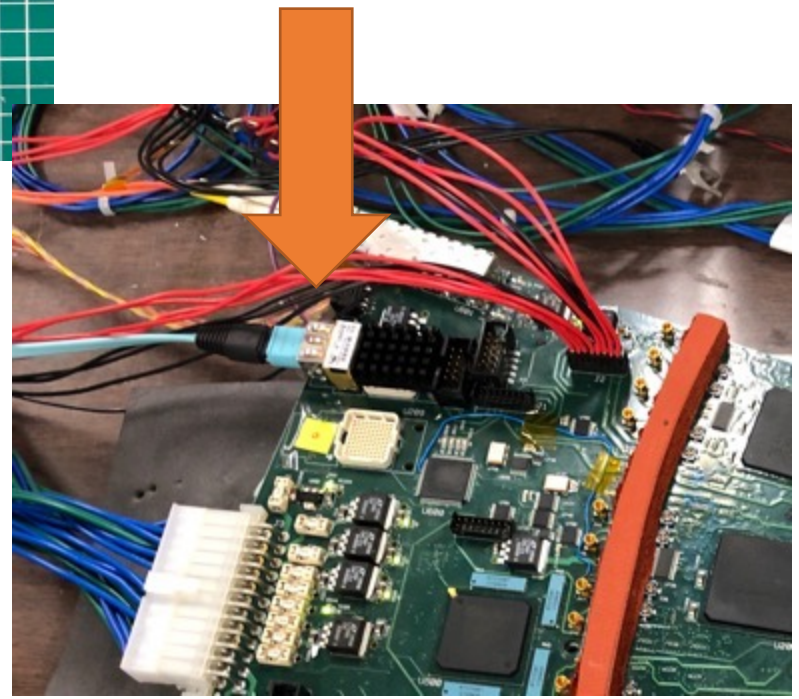


16+8spare (24 total) cables are to be made by Hayashi REPIC co.

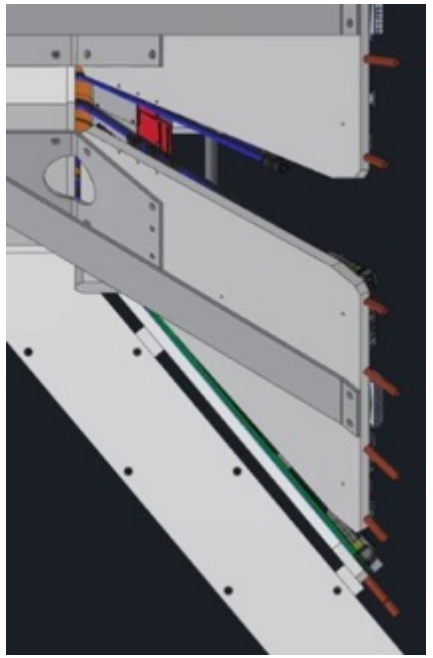


x2

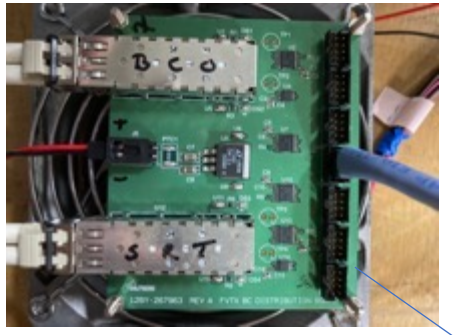
RJ45 Category 5
LAN Connector (female)



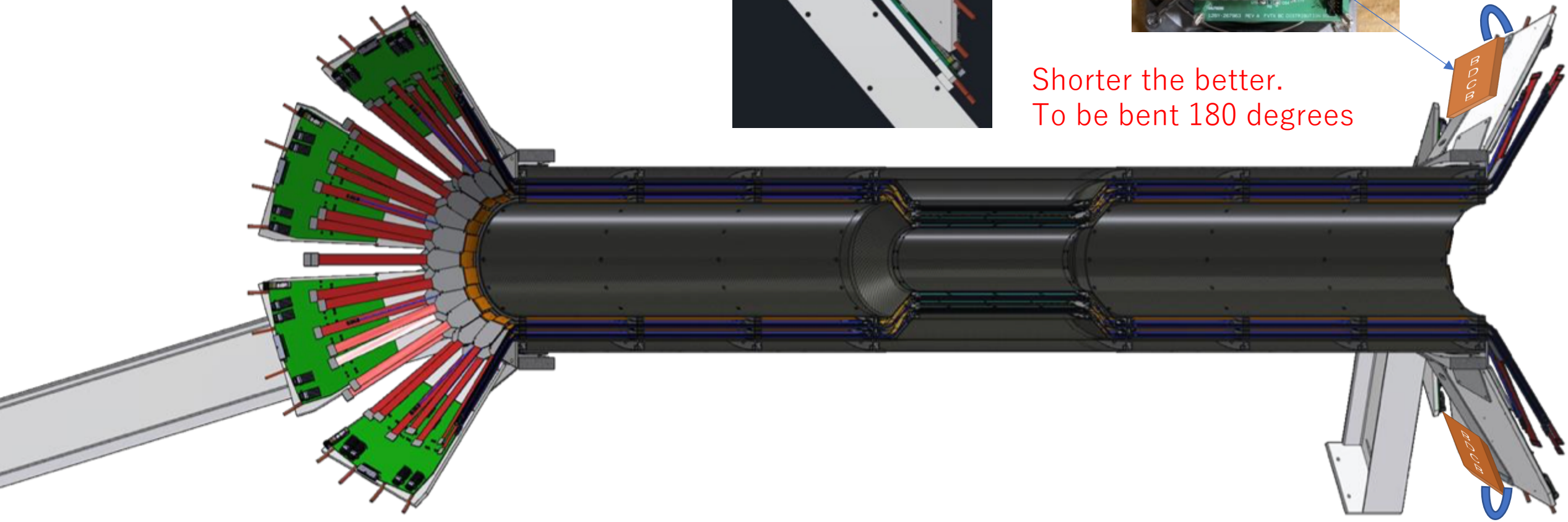
BCDB Location?



Takashi's Idea

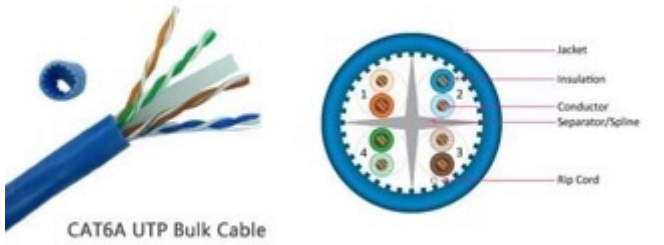


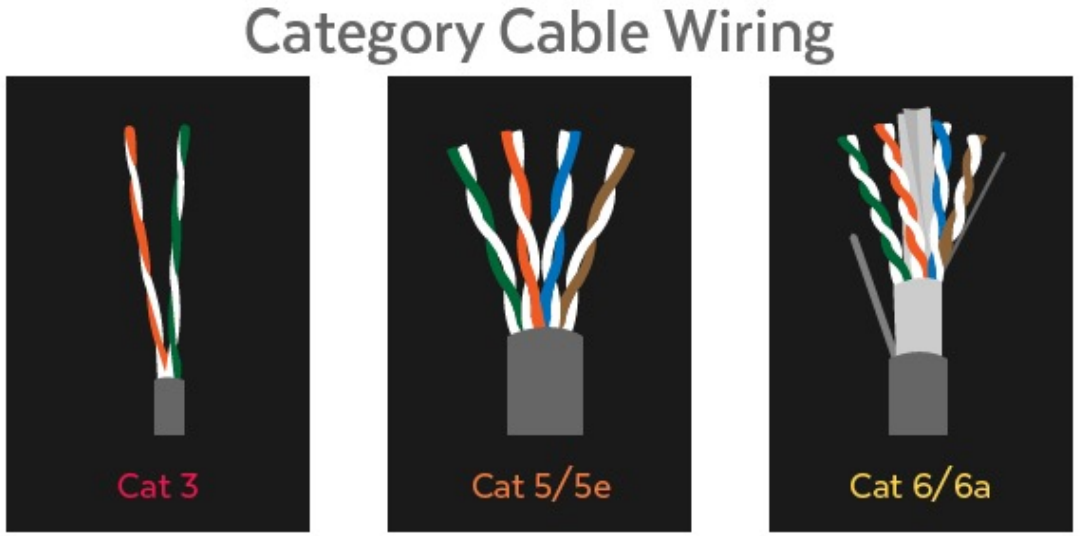
Shorter the better.
To be bent 180 degrees

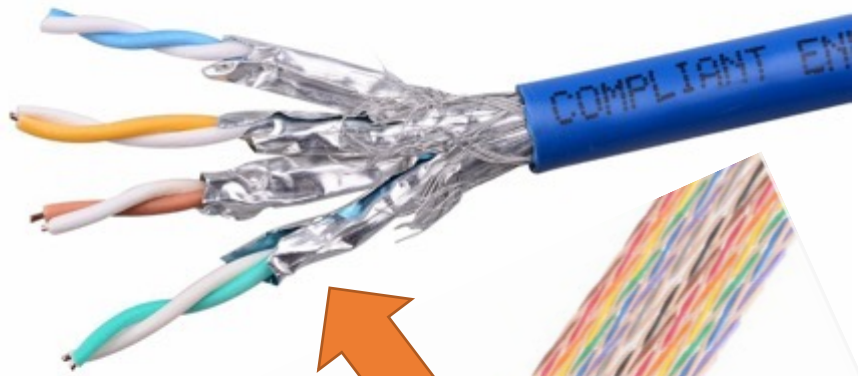


Ethernet Cable Category

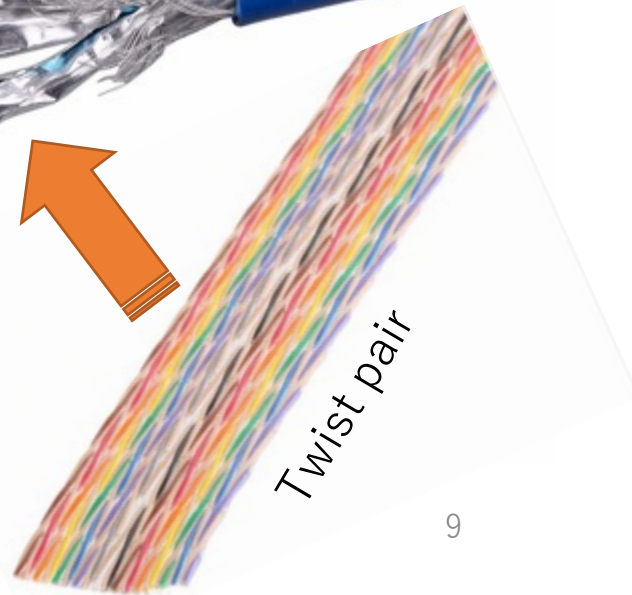
Category-8



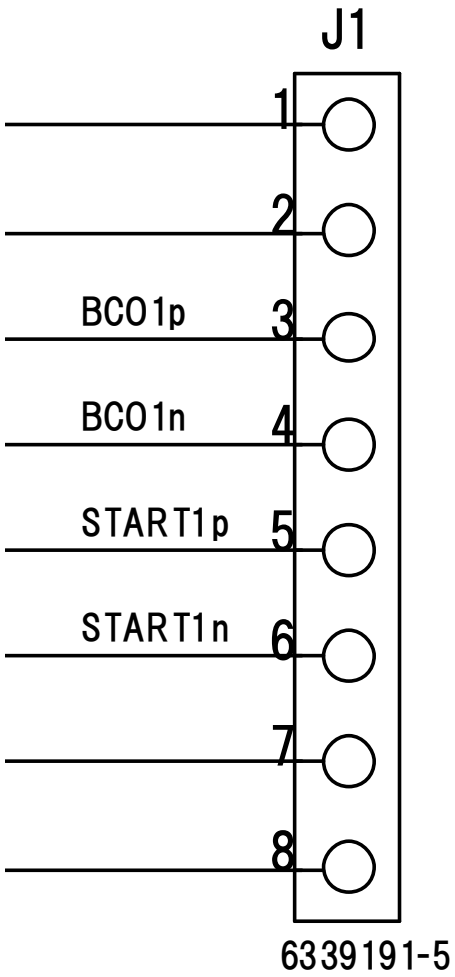




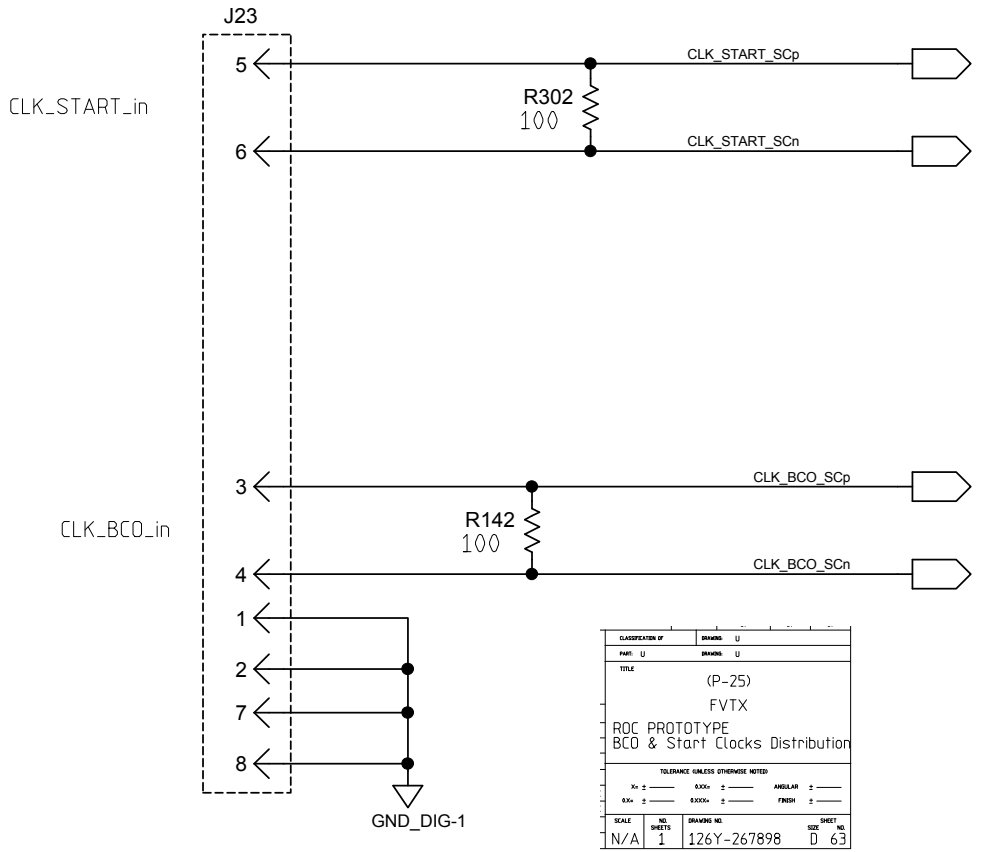
Better shielded



BCDB Cable Channel Map



BCDB Side



ROC Side

PE-DS-126Y_267963_REV.B.pdf

BCO Cable Channel Map

BCDB	ROC	Label
1	1	DGND
2	2	DGND
3	3	BCOp
4	4	BCOn
5	5	STARTp
6	6	STARTn
7	7	DGND
8	8	DGND