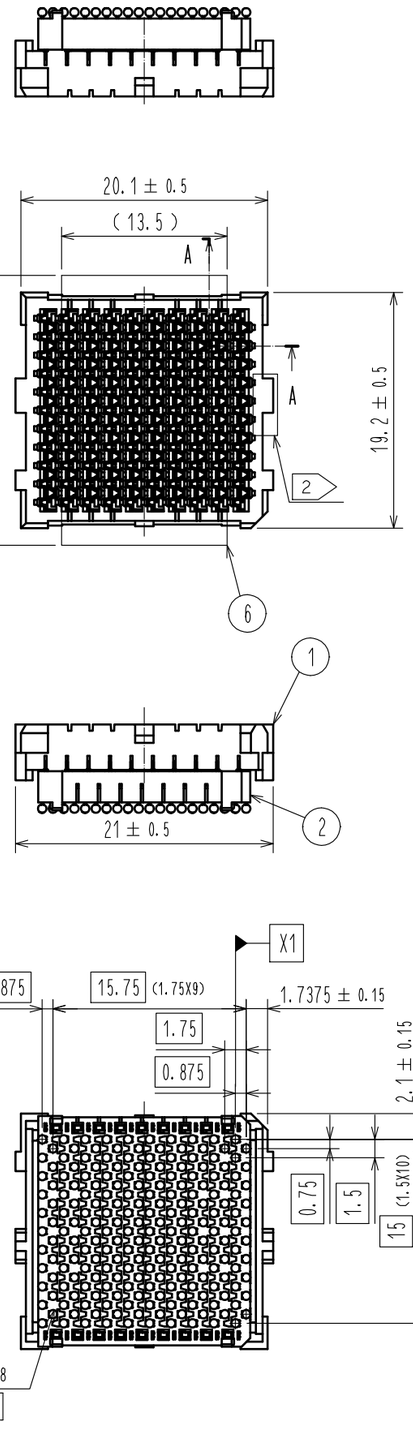
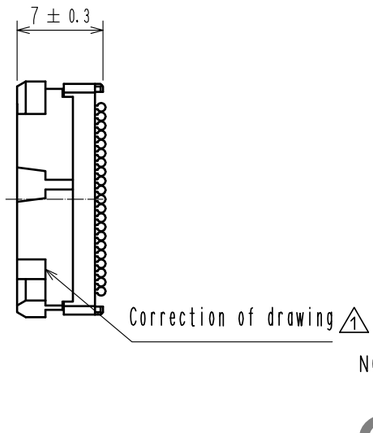
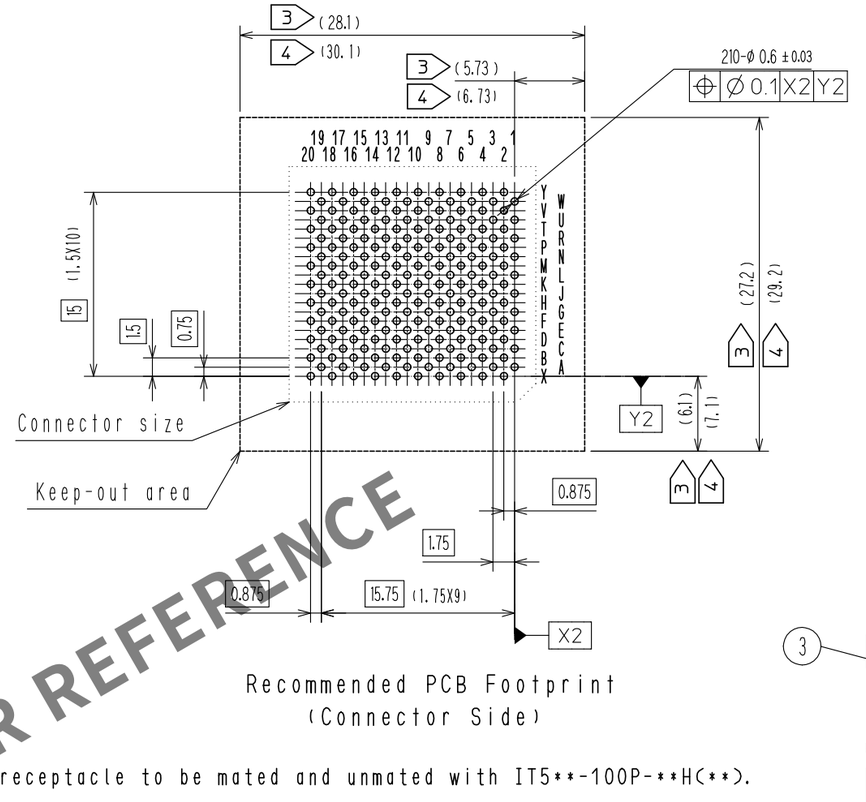
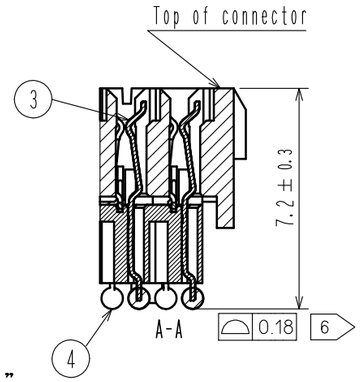
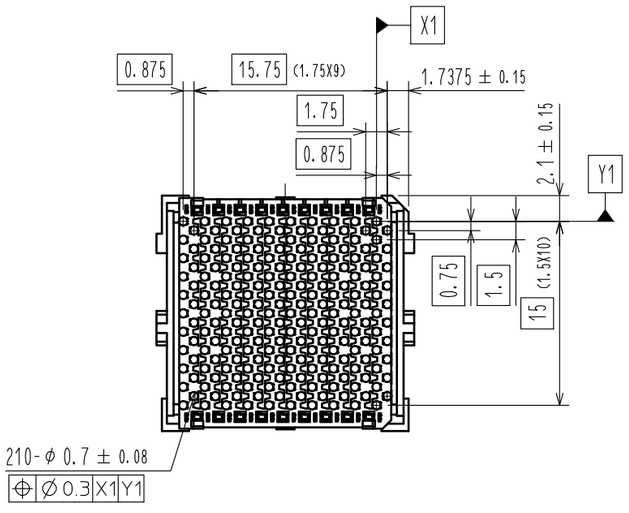






Recommended PCB Footprint
(Connector Side)





NOTE

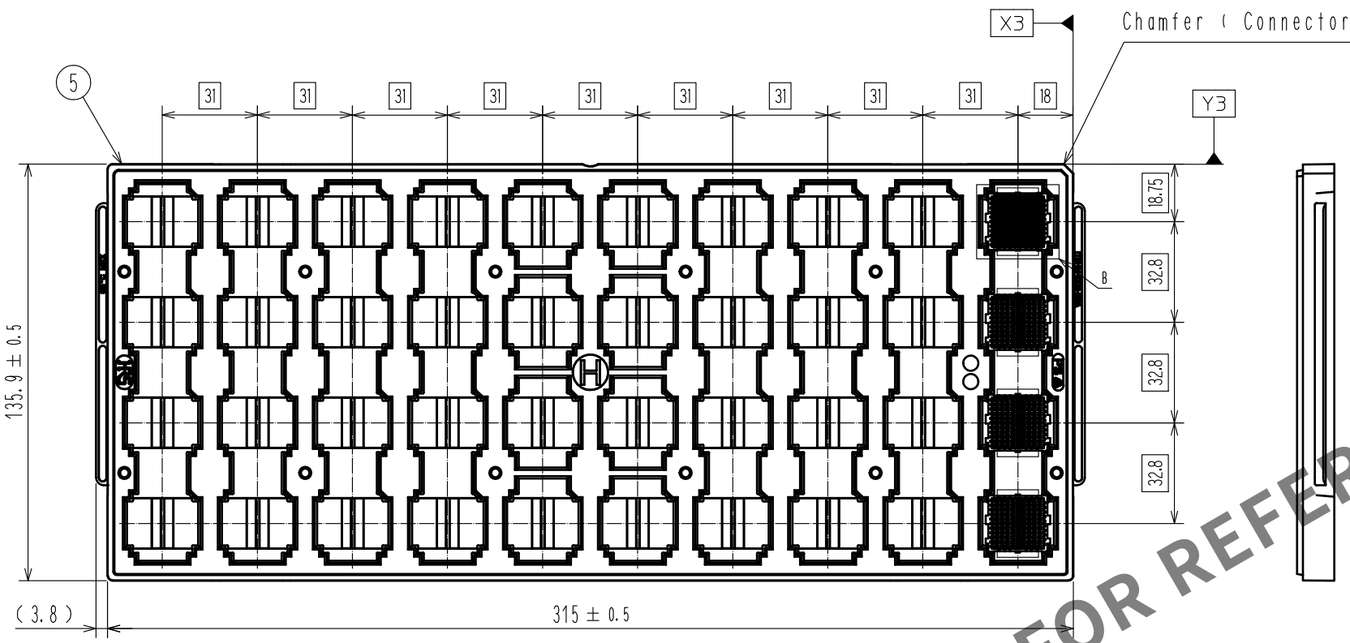
1 IT5HD receptacle to be mated and unmated with IT5**-100P-**H(**).
2 Lot no. is marked on top of the connector.
3 Minimum clearance for all devices.
4 Minimum clearance for sensitive devices.
5 Please refer to HIROSE document : ETAD-F0584 “IT5 Design Guideline”.
6 Maximum coplanarity of the ball field is 0.18 mm.
7 Standard package of 120pcs are packaged in a carton box.
2 8 This product is recommended to be used within four weeks after unpacked due to the possibility of oxidation of BGA.
9 This product is a solder ball locations and co planarity sensitive BGA connector. It is recommended to handle this product with the automated machine. Solder ball locations and coplanarity might be damaged accidentally when it is manually handled by assembly workers.

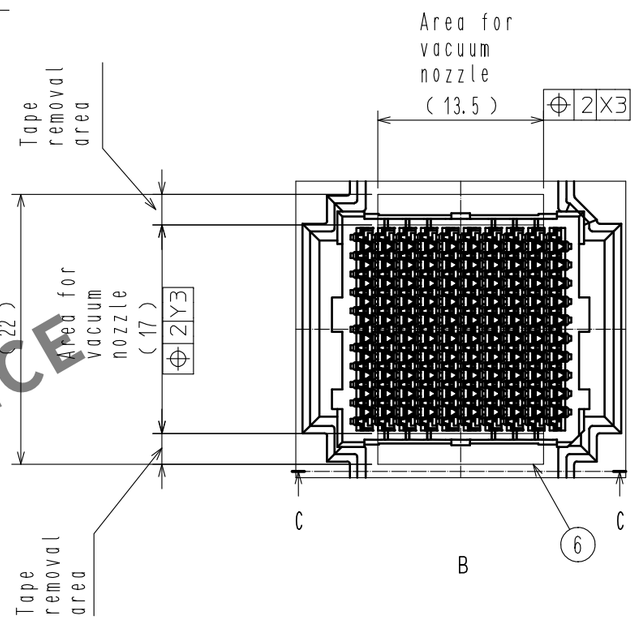
NO.	MATERIAL	FINISH , REMARKS	NO.	MATERIAL	FINISH , REMARKS
3	Copper alloy	Contact area : Nickel(1.5μm) + Gold(0.76μm) Other area : Nickel(1.5μm)	6	NORMEX	TAPE , WHITE
2	LCP	BLACK, UL94V-0	5	HIPS	TRAY, GRAY
1	LCP	GRAY, UL94V-0	4	TIN	Sn(96.5)-Ag(3)-Cu(0.5)

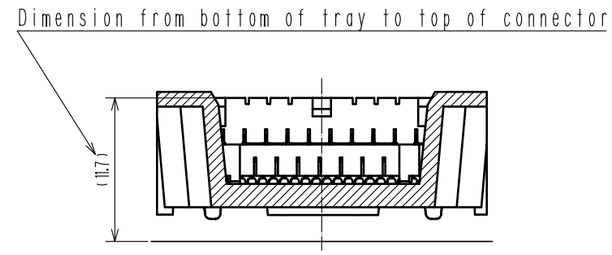
UNITS	SCALE		COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
mm	2 : 1	2	1	DIS-F-00004025	MK. EZAKI	TM. MATSUO	20181220

HIROSE ELECTRIC CO., LTD.

APPROVED	MK. EZAKI	20121105	DRAWING NO. EDC3-343333-01
CHECED	MK. EZAKI	20121105	PART NO. IT5HD-100S-BGA(39)
DESIGNED	MK. NAGATA	20121105	CODE NO. CL636-1521-8-39
DRAWN	MK. NAGATA	20121105	2 1/2







C-C
(2:1)

HRS	DRAWING NO.	EDC3-343333-01
	PART NO.	IT5HD-100S-BGA(39)
	CODE NO.	CL636-1521-8-39 △2 2/2