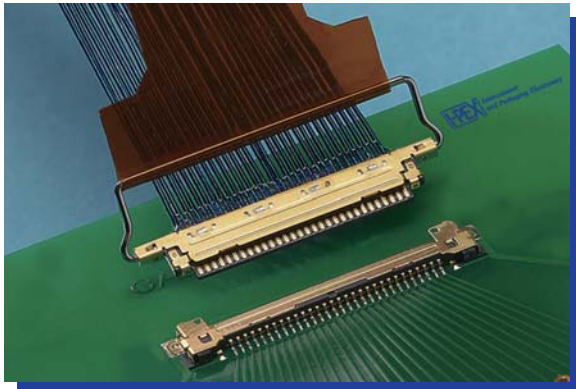


CABLINE®-VS

0.5mm Pitch

Horizontal Type



- Mating Height : MAX. 1.1mm
- Improved transmission efficiency, High level EMI shield performance and multi point ground
- W-Point Contact with High mating reliability
- Anti-reverse mating design
- Locking bar prevents accidental unmating (Option)
- Soldering connection

【Applicable Cable Size】

Micro Coax	AWG #40, #42, #44 (AWG #36: Power Only)
DISCRETE	AWG #32, #34, #36
TWINCOAX	AWG #40

【Number of Position】

20p, 30p, 40p, 50p

【Ordering Code】

PLUG Connector Set (for Cable)

Parts Ordering (HOUSING)

20454- 2 ** T (-01)

① ② only 50pos

Parts Ordering (SHELL A)

2574- * ** 2

③ ①

Parts Ordering (Pull bar)

2576- * ** - **

④ ① ⑤

RECEPTACLE Connector Set
(for PC Board)

20455- * E - * 6**

① ② ③

①	POS.	20: 20pos 30: 30pos 40: 40pos 50: 50pos	
②	Packaging	T	Tray
③	DATUM MARK	0	With
		1	Without
④	INSULATION COAT	0	Without
		1	With
⑤	Packing Quantity	-	60,000pcs
		00	20,000pcs

①	POS.	A20: 20pos 030: 30pos 040: 40pos 050: 50pos	
②	Packaging	E	Emboss Tape
③	DATUM MARK	6	With
		7	Without

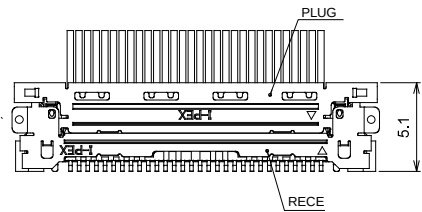
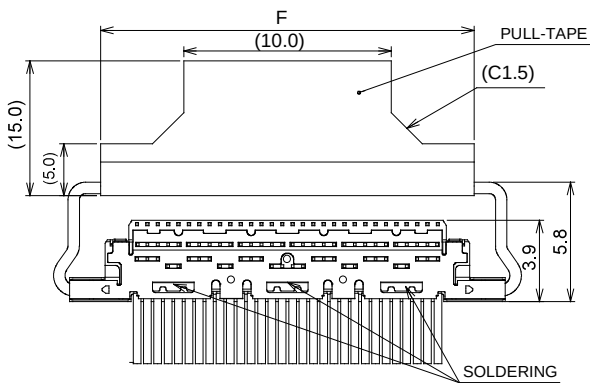
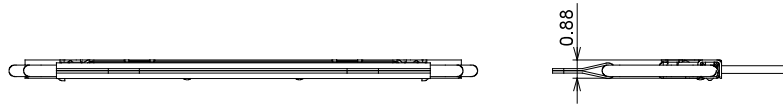
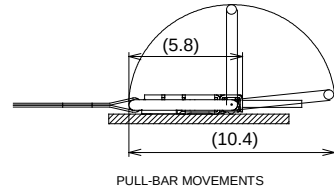
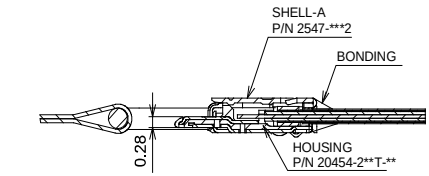
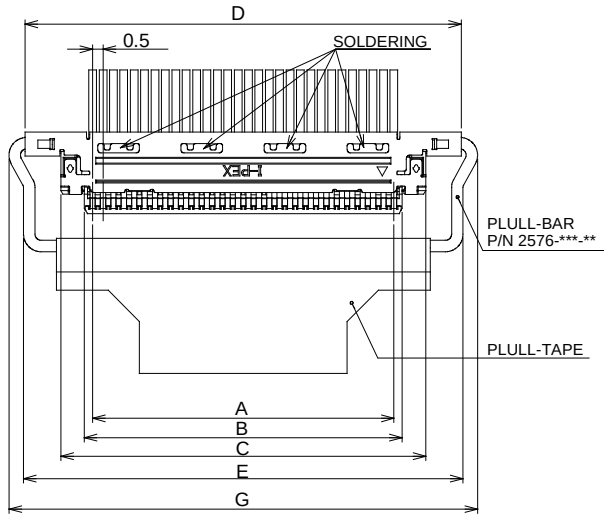
【Recommended P/N】

POS.	HOUSING	SHELL A	PULL BAR	PLUG Set	RECEPTACLE
20	20454-220T	2574-1202	2576-020-00	20453-220T-11	20455-A20E-76
30	20454-230T	2574-1302	2576-030-00	20453-230T-11	20455-030E-76
40	20454-240T	2574-1402	2576-040-00	20453-240T-11	20455-040E-76
50	20454-250T-01	2574-1502	2576-050-00	20453-250T-11S	20455-050E-76

PLUG

Set P/N: 20453-2**T-***

POS.	A	B	C	D	E	F	G
20	9.50	10.30	12.56	16.00	16.15	13.00	17.55
30	14.50	15.30	17.56	21.00	21.15	18.00	22.55
40	19.50	20.30	22.56	26.00	26.15	23.00	27.55
50	24.50	25.30	27.56	31.00	31.15	28.00	32.55



MATED VIEW

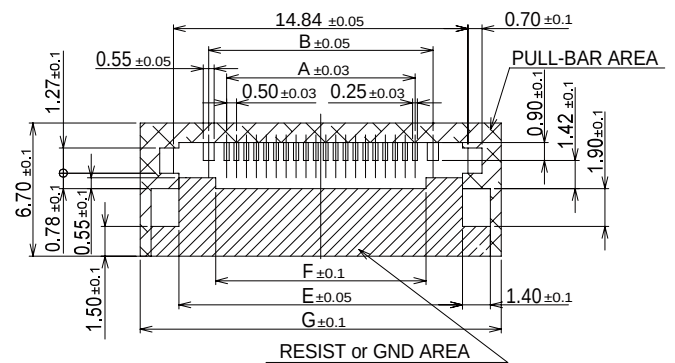
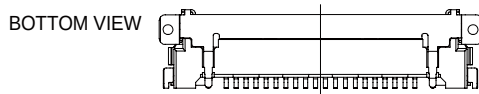
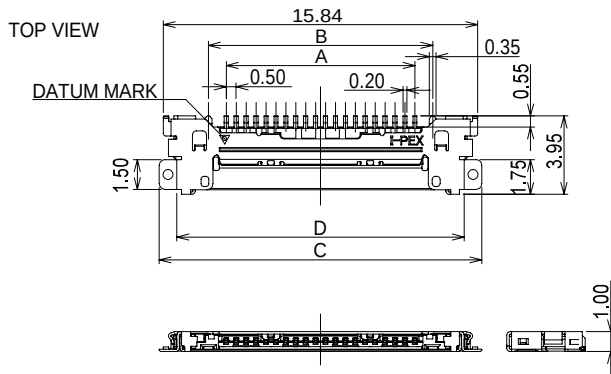
Material / Finish

HOUSING	LCP UL94V-0	BLACK
CONTACT	COPPER ALLOY	Au
SHELL A	COPPER ALLOY	Au
SHELL B	COPPER ALLOY	Au
PULL BAR	STAINLESS STEEL	-

RECEPTACLE

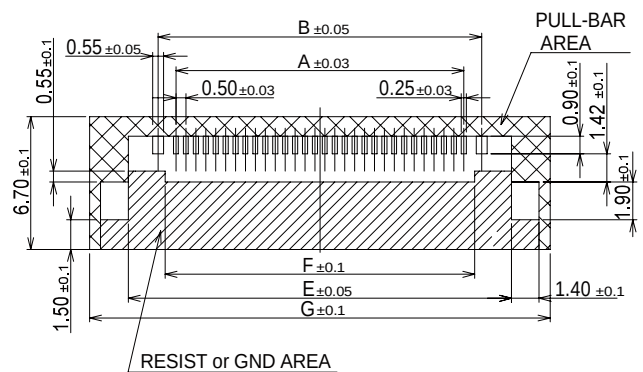
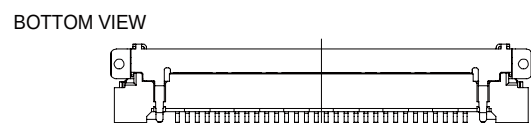
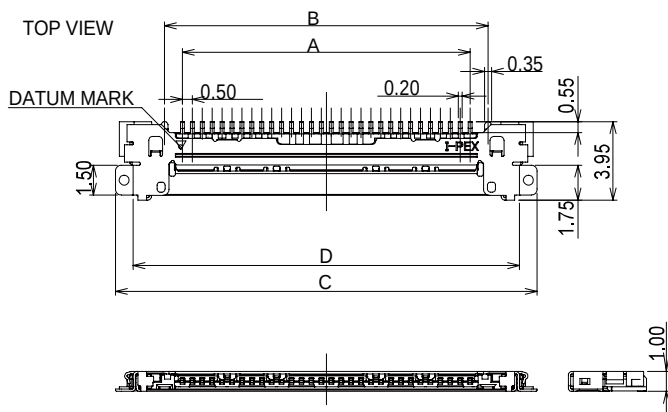
POS.	A	B	C	D	E	F	G
20	9.50	11.30	16.25	14.47	14.30	10.60	18.20
30	14.50	16.30	21.25	19.47	19.30	15.60	23.20
40	19.50	21.30	26.25	24.47	24.30	20.60	28.20
50	24.50	26.30	31.25	29.47	29.30	25.60	33.20

20455-A20E-*6 (20pin)



RECOMMENDED FOOTPRINT PATTERN

20455-0**E-*6 (30pin, 40pin, 50pin)



RECOMMENDED FOOTPRINT PATTERN

Material / Finish

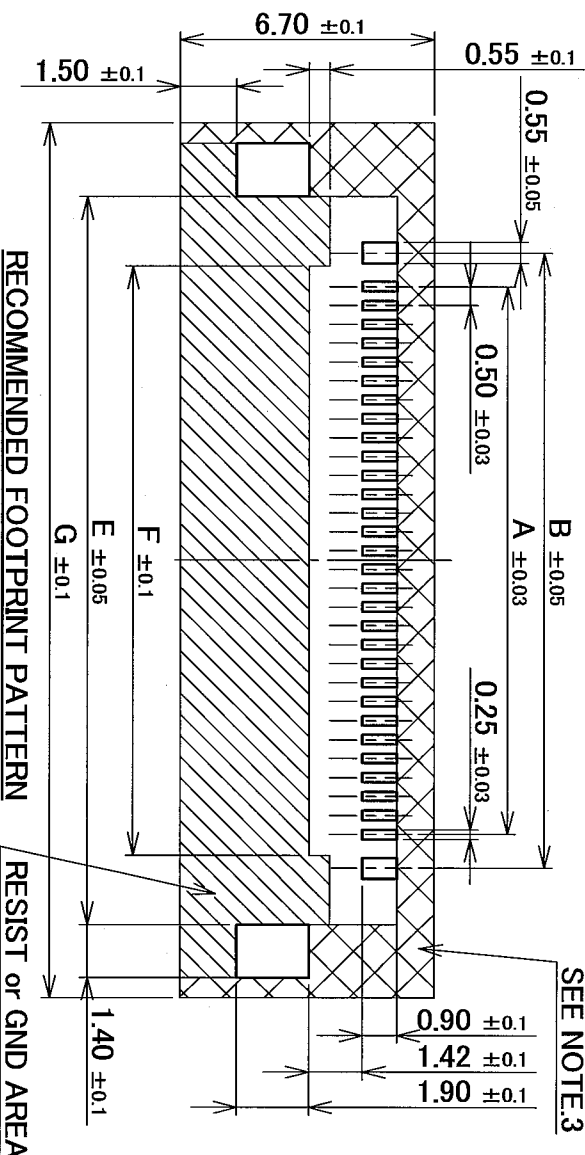
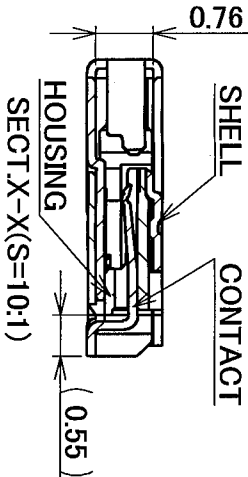
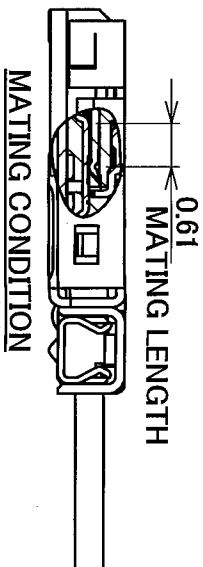
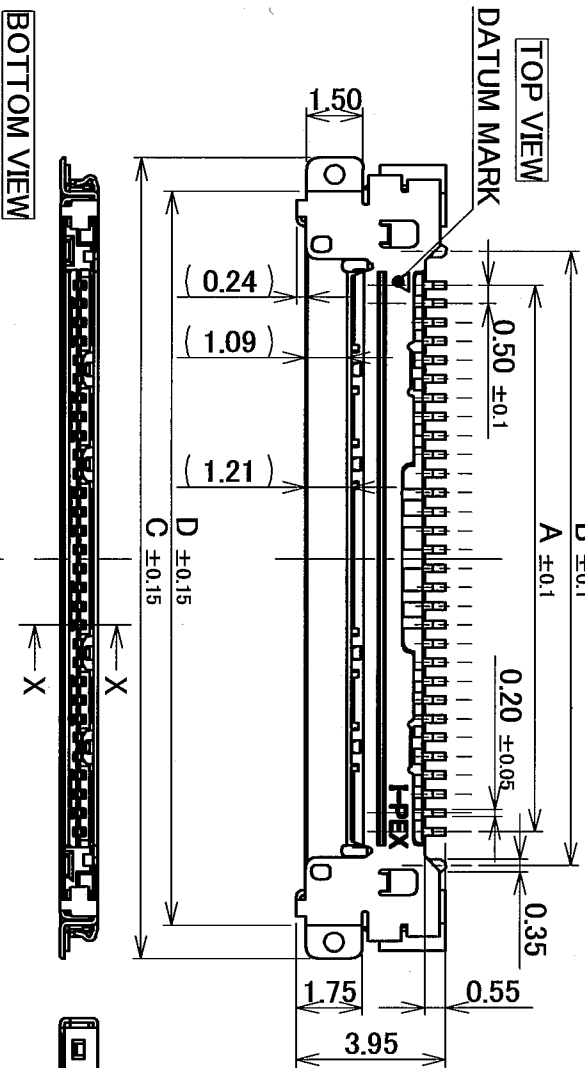
HOUSING	LCP UL94V-0	BLACK
CONTACT	COPPER ALLOY	Au
SHELL	COPPER ALLOY	Au

PART NO.	A	B	C	D	E	F	G
20455-020E-#2	9.50	11.30	16.25	14.47	14.30	10.60	18.20
20455-030E-#2	14.50	16.30	21.25	19.47	19.30	15.60	23.20
20455-040E-#2	19.50	21.30	26.25	24.47	24.30	20.60	28.20
20455-050E-#2	24.50	26.30	31.25	29.47	29.30	25.60	33.20

P/N:20455-0**E-#2

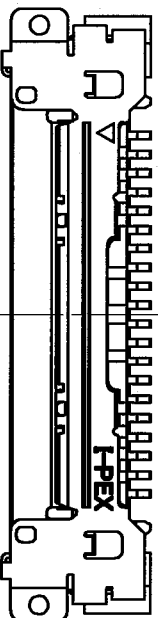
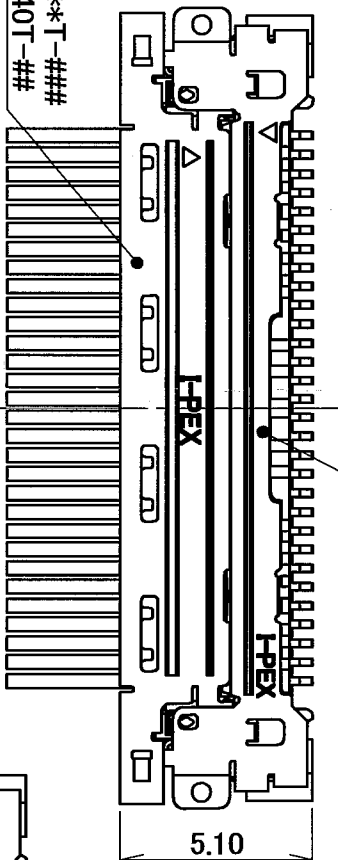
0:WITH DATUM MARK
1:WITHOUT DATUM MARK

30P

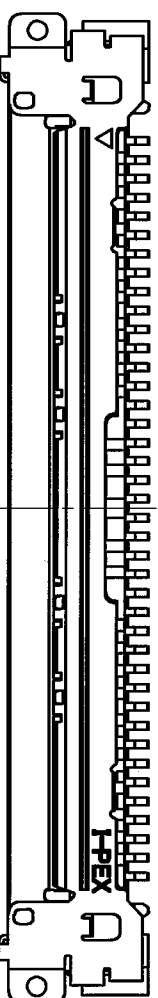


RECE P/N:20455-0**E-#2

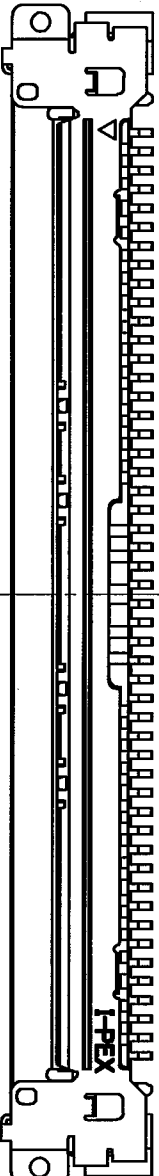
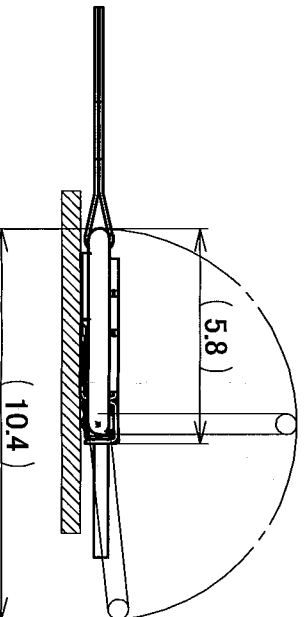
PLUG P/N:20453-0**T-###
20508-040T-##



20P



40P



50P

NOTES.

- 1.MATERIAL & FINISH
HOUSING : LCP(RED PHOSPHORUS FREE), UL94V-0, BLACK
CONTACT: PHOSPHOR BRONZE / PLATING : Au OVER Ni
SHELL : PHOSPHOR BRONZE / PLATING : Au OVER Ni
- 2.COPLANARITY : 0.1MAX.
- 3.IN CASE OF PLUG WITH PULL-BAR,
THIS AREA CANNOT MOUNT ANOTHER COMPONENTS.
- 4.TO HANDLE THIS CONNECTOR
YOU MUST READ AND FOLLOW THE INSTRUCTION MANUAL BELOW.
- INSTRUCTION MANUAL No. : HIM-08004
- 5.RoHS Compliant
- 6.PRODUCT SPECIFICATION:No. PRS-1427
- 7.THIS PRODUCT IS HALOGEN FREE

GENERAL TOLERANCE

6 MAX.	±0.2
6 OVER MAX. 30	±0.3
30 OVER MAX. 120	±0.5
ANGLE	±2°

PATENT PENDING

19	Z13603	H.I	Jul/02/13	E.K	DESIGNED BY	H.Ikari	DATE	Sep/27/07
18	Z13076	H.I	Feb/18/13	T.H	CHK'D BY		DATE	
17	Z12197	H.I	Mar/16/12	E.K				
16	Z12065	H.I	Jan/27/12	T.H	APP'D BY	E.Kawabe	DATE	Sep/27/07
REV	ECN	BY	DATE	APP	CUSTOMER COPY			
REV.RECORD					PROJECTION			
SERIES No.					R6			
					SCALE			
					5:1			
					UNIT			
					mm			
					DWG. No.			
					20455			
					SHEET			
					1/2			
					REV.			
					19			

I-PEX DA-ICHI SEIKO CO.,LTD.
I-Pex Business Company

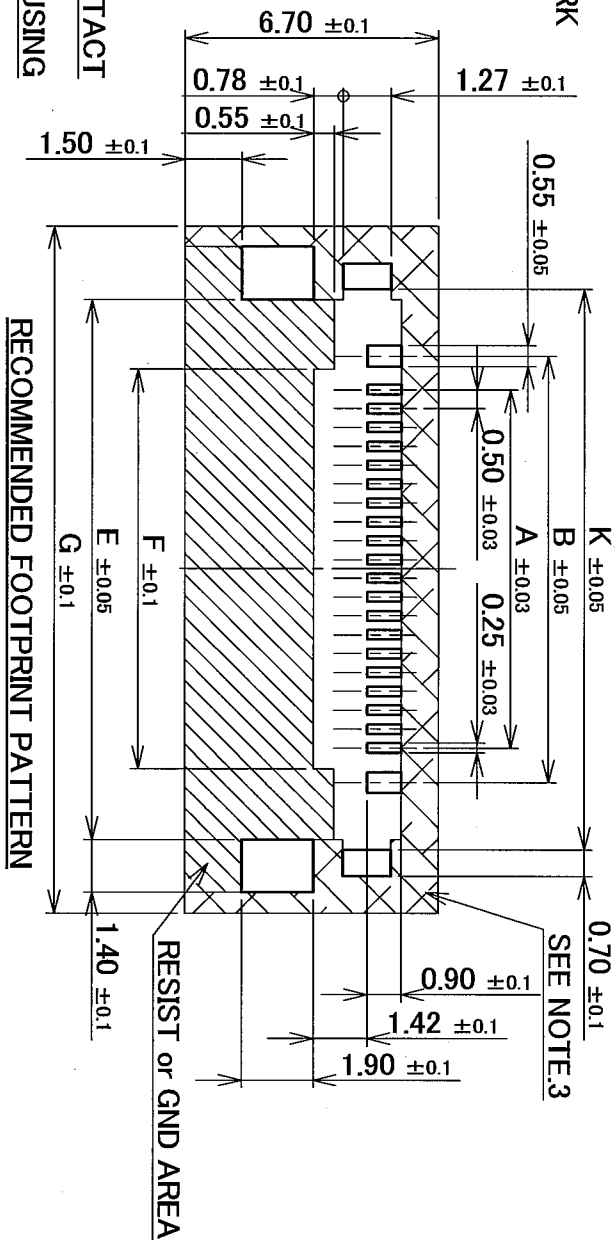
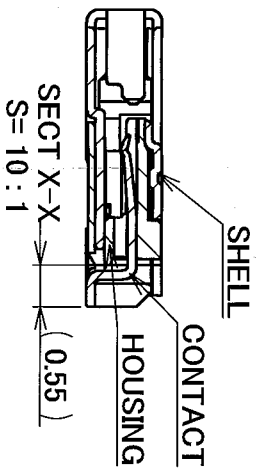
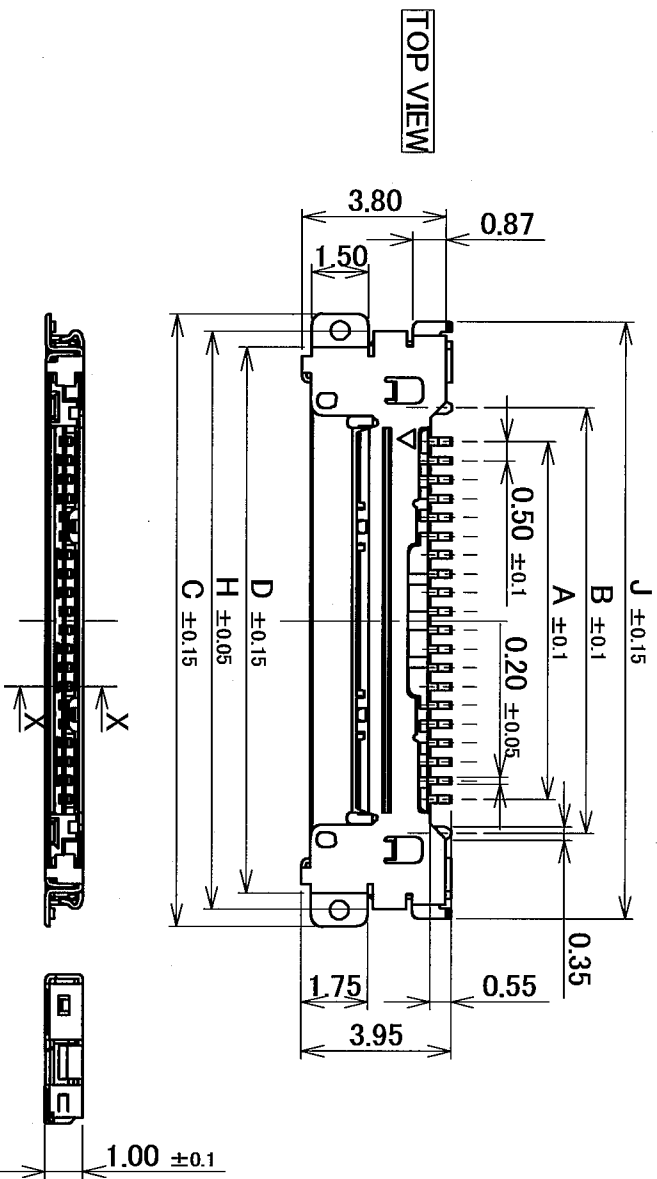
CABLINE-VS
RECE ASSY

PART NO.	A	B	C	D	E	F	G	H	J	K
20455-A20E-*2	9.50	11.30	16.25	14.47	14.30	10.60	18.20	15.32	15.84	14.84

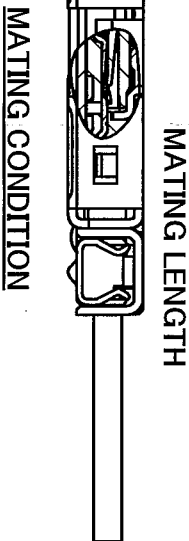
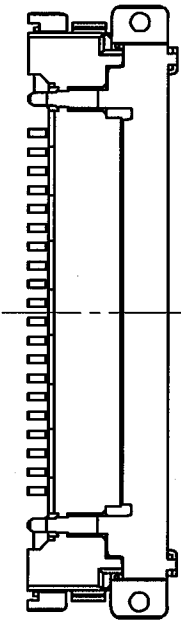
TYPE-A

P/N:20455-A20E-*2

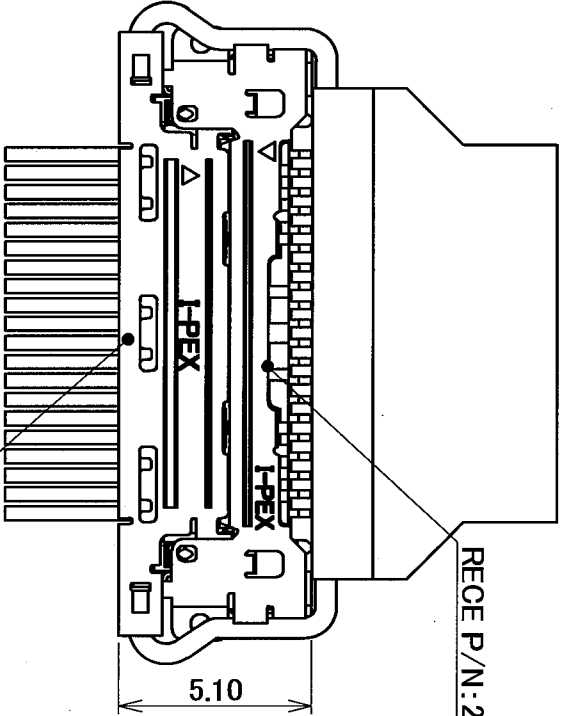
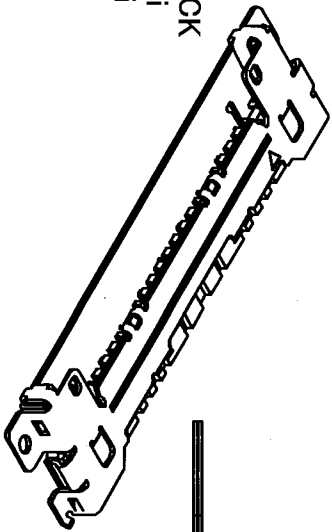
0:WITH DATUM MARK
1:WITHOUT DATUM MARK
A: TYPE-A



BOTTOM VIEW



MATING CONDITION



NOTES.

- 1.MATERIAL & FINISH
HOUSING : LCP(RED PHOSPHORUS FREE), UL94V-0, BLACK
CONTACT: PHOSPHOR BRONZE / PLATING: Au OVER Ni
SHELL : PHOSPHOR BRONZE / PLATING: Au OVER Ni
- 2.COPLANARITY : 0.1MAX.
- 3.IN CASE OF PLUG WITH PULL-BAR,
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- 7.THIS PRODUCT IS HALOGEN FREE

GENERAL TOLERANCE

6 MAX.	±0.2
6 OVER MAX. 30	±0.3
30 OVER MAX. 120	±0.5
ANGLE	±2°

Confidential III C

				DESIGNED BY		DATE	
				CHK'D BY		DATE	
				APPD BY		DATE	
REV	ECN	BY	DATE	APP			
REV/RECORD				CUSTOMER COPY			
SERIES No.				R6			
				PROJECTION		SCALE	
				5:1		mm	
				DWG. No.		20455	
				SHEET		2/2	
				REV.		19	

I-PEX DA-ICHI SEIKO CO.,LTD.
I-Pex Business Company

CABLINE-VS
RECE ASS'Y