

Recommended P/N 20645-0**T-01

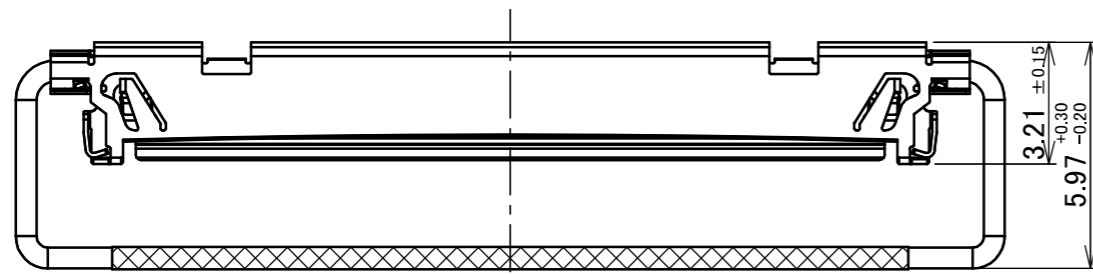
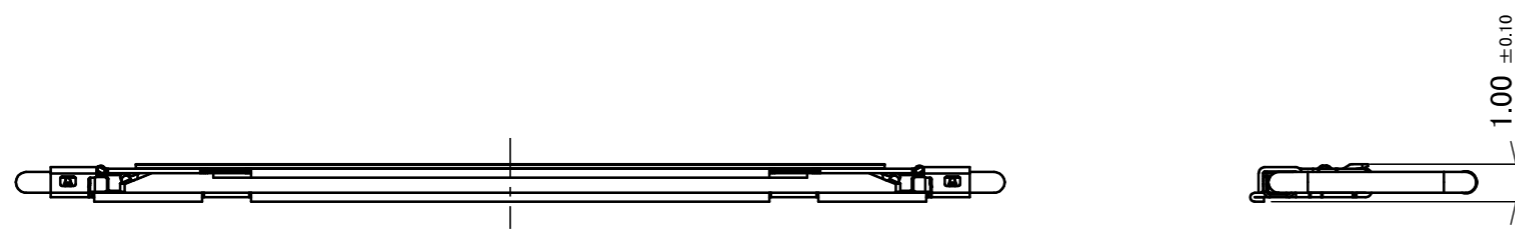
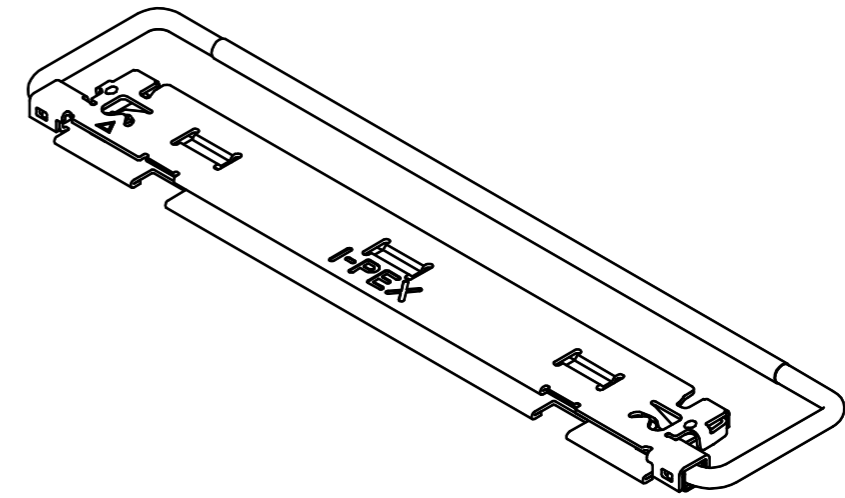
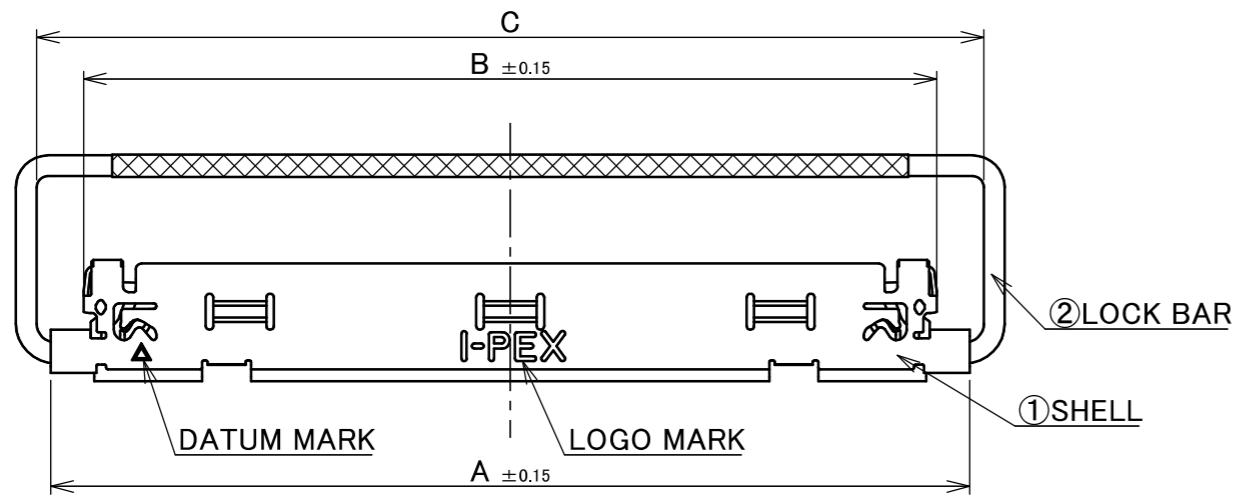
PART No.	A	B	C
20645-030T-01	19.30	17.56	20.05
20645-040T-01	24.30	22.56	25.05



Halogen Free



RoHS Compliant



2	LOCK BAR	SUS	-
1	SHELL	PHOSPHOR BRONZE	ALL OVER Ni 1.00 μm MIN. CONTACT & SOLDERING AREA : Au 0.01 μm MIN.
NO.	DISCRIPTION	MATERIAL	FINISH , REMARKS

15	Z250409	T.O	2025/03/12	T.M	ANGLE	±2°	6 OVER 30 MAX.	±0.3	PROJECTION ⊕	SERIES No. R0	CUSTOMER COPY	
14	Z241778	T.O	2024/12/12	T.M	6 MAX.	±0.2	30 OVER 120 MAX.	±0.5				
13	Z230637	T.O	2023/06/01	H.I	GENERAL TOLERANCE.				TITLE CABLINER [®] -VSF PLUG SHELL ASSEMBLY	SCALE 5:1 UNIT mm	I-PEX	
12	Z230400	T.O	2023/04/06	H.I	DWG.	DATE		2014/11/07				
11	Z230352	T.O	2023/03/27	H.I	H.Aoki							
10	Z220132	M.M	2022/02/08	H.I	J.Tateishi							
REV.	ECN	BY	DATE	APP.	APP.	E.Kawabe		DWG. No.	20645	SIZE A3	SHEET 1/6	REV. 15

REVISION RECORD

Confidential C

I-PEX Inc.

QKE-DFE06-02 REV.12

POS.	A	B	D	E	H
30	19.30	17.56	14.50	15.30	21.15
40	24.30	22.56	19.50	20.30	26.15

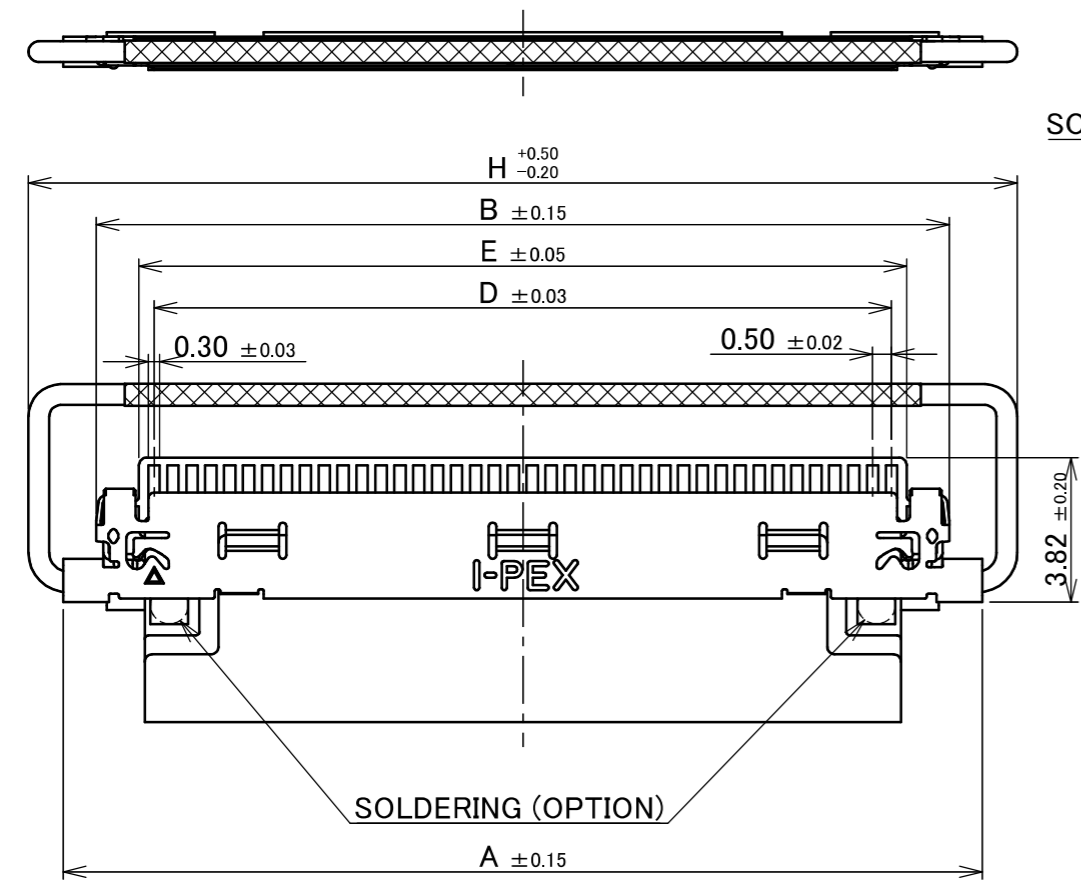
FPC ASS'Y STATE



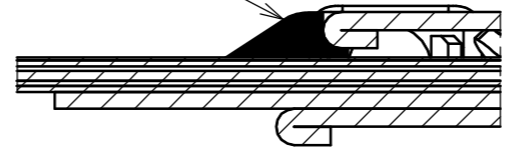
Halogen Free



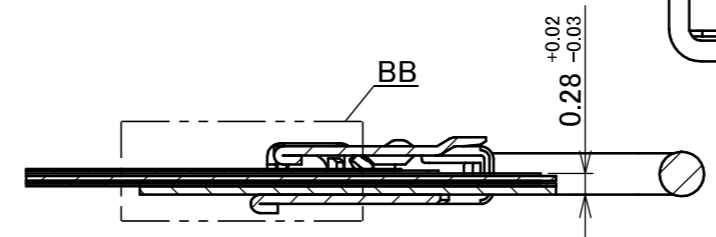
RoHS Compliant



SOLDERING (OPTION)

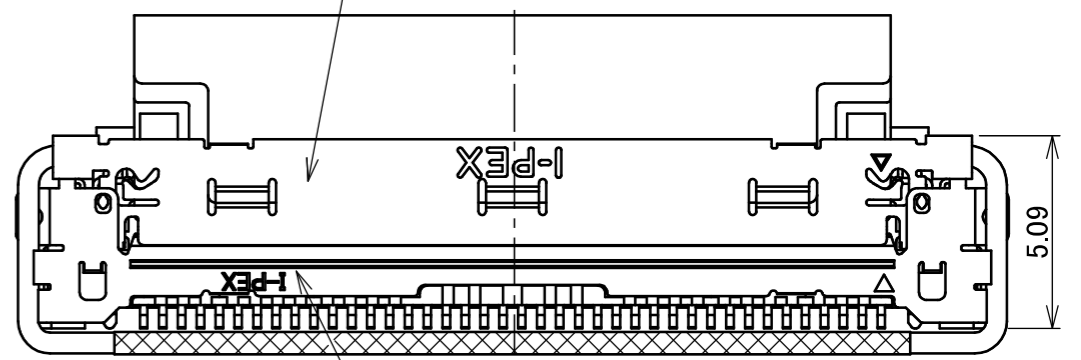


DETAIL BB
(S=20/1)

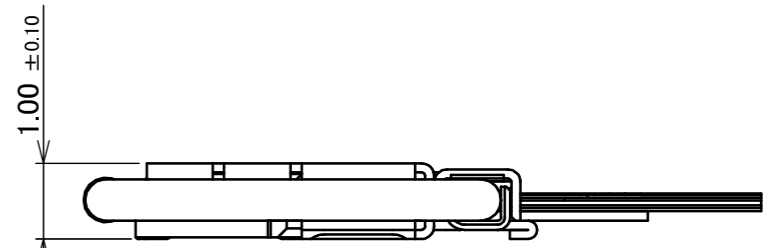


SECT AA-AA
(S=10/1)

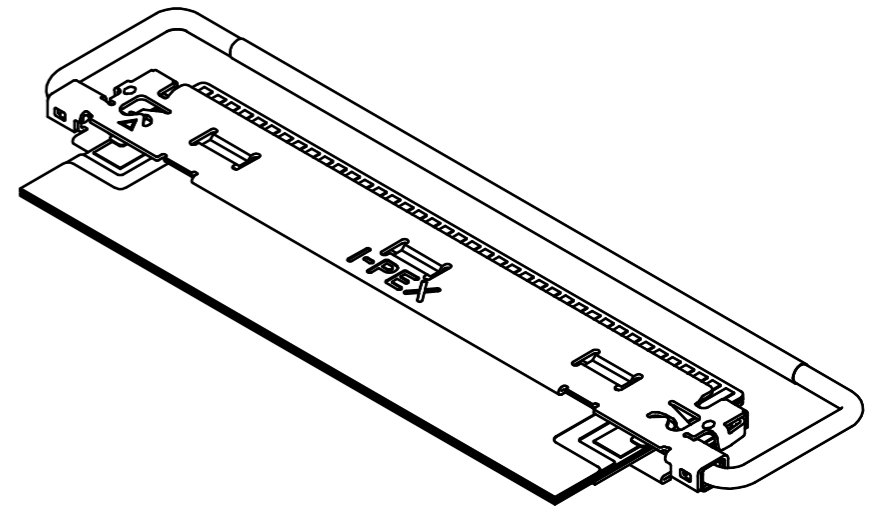
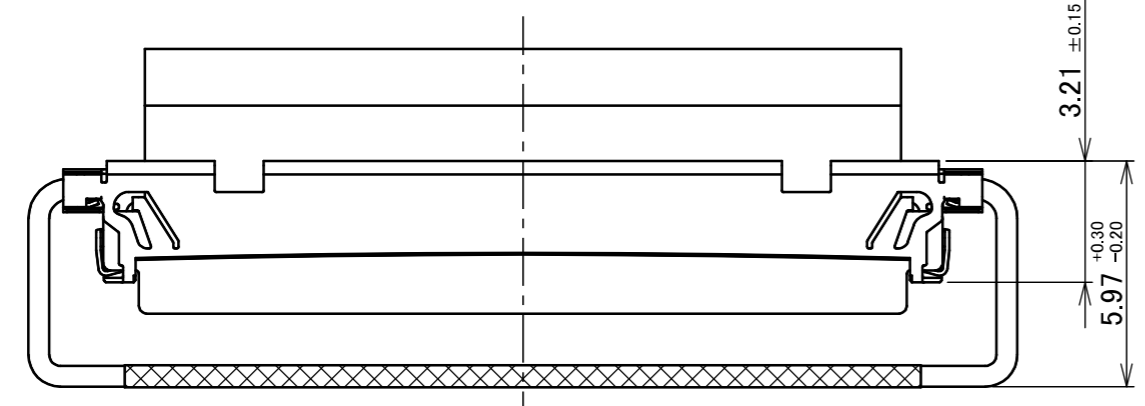
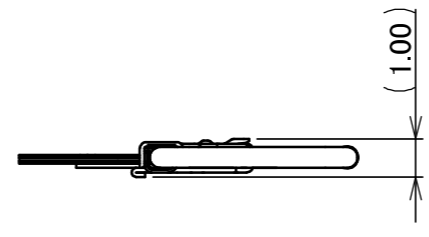
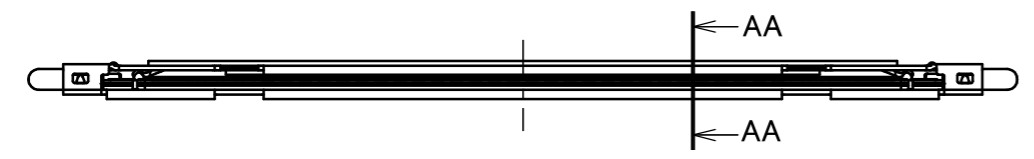
PLUG SHELL ASS'Y: CABLINE-VSF
P/N: 20645-0**T-01



RECE: CABLINE-VS
P/N: 20455-0**E-***

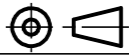


MATING CONDITION



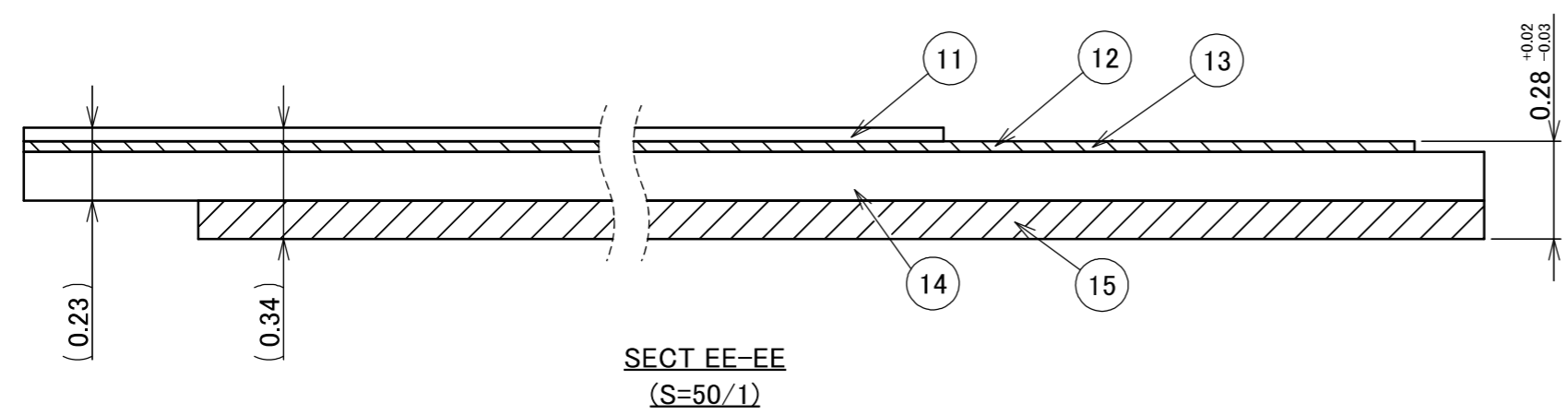
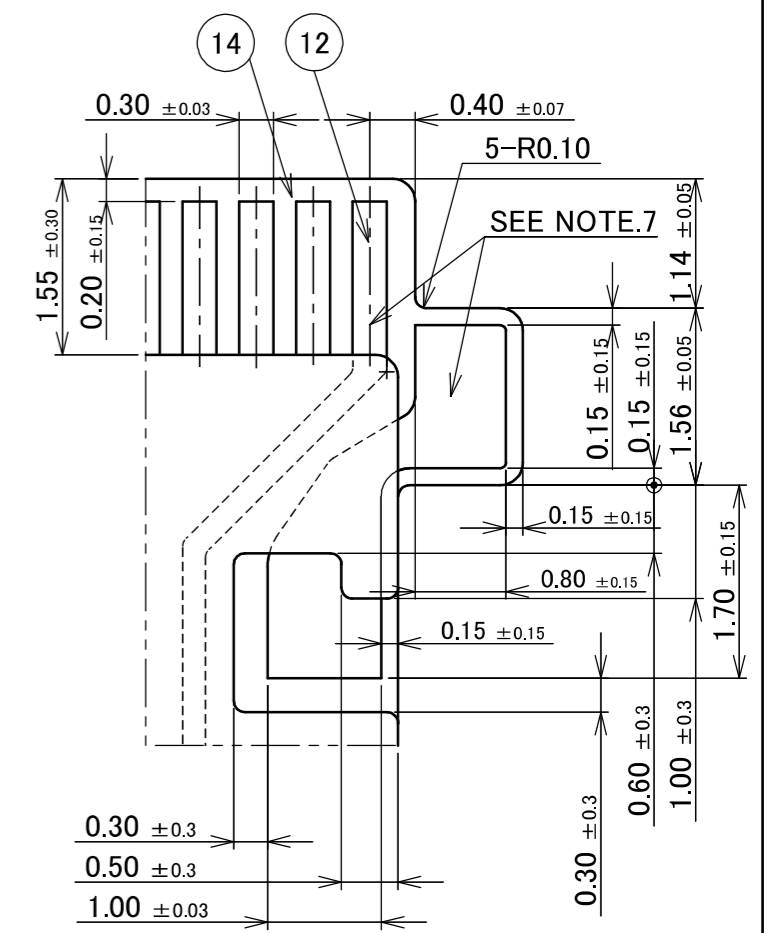
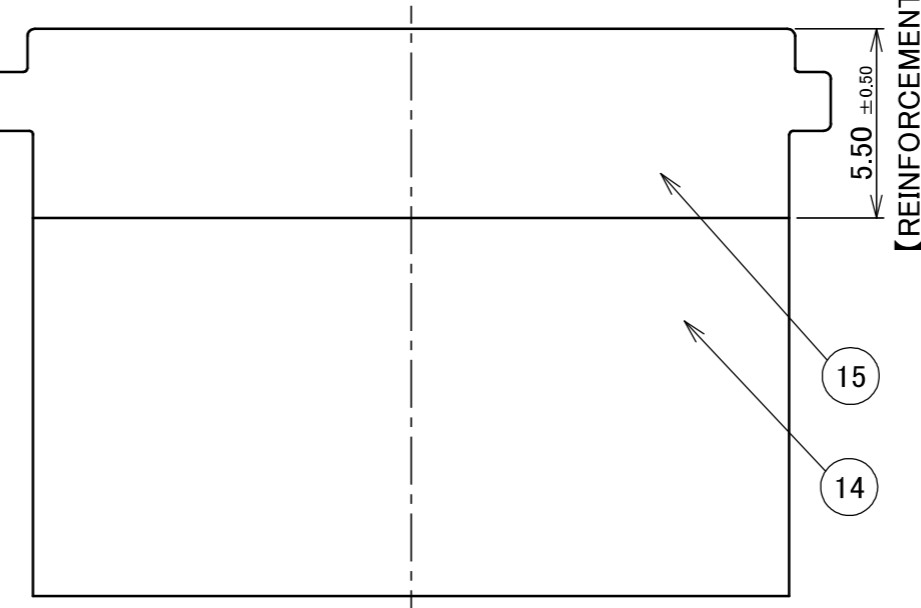
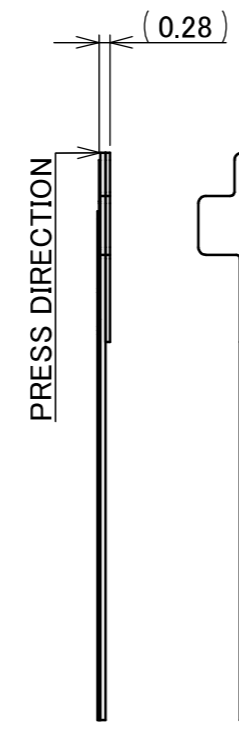
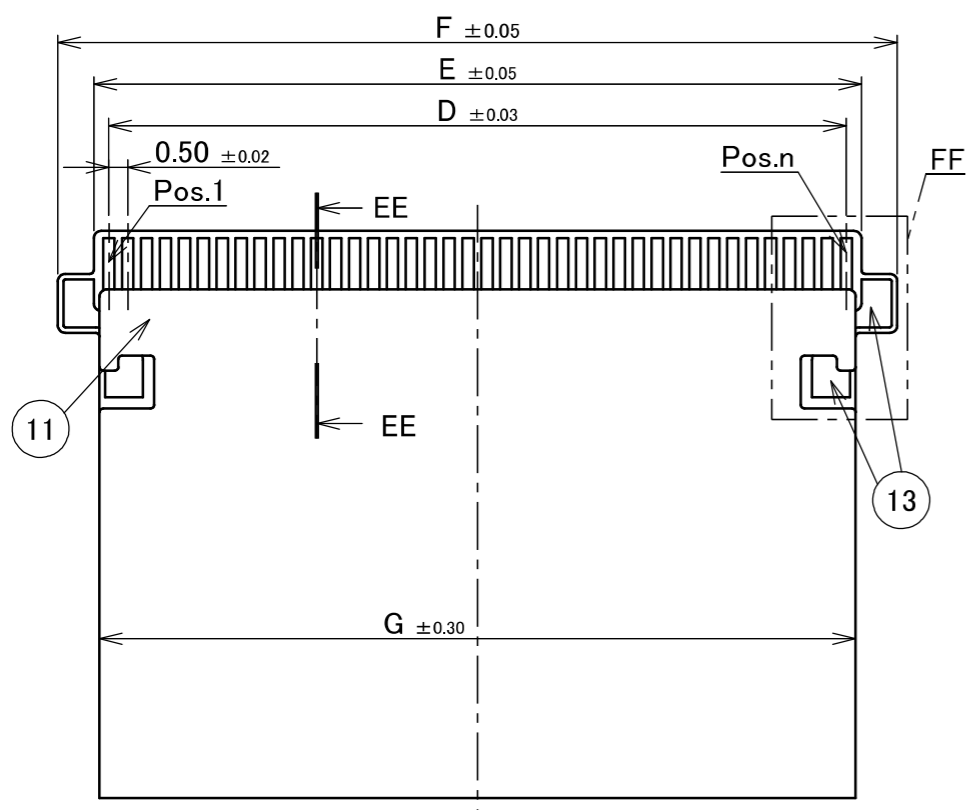
ANGLE	±2°	6 OVER 30 MAX.	±0.3	PROJECTION ⊕	SERIES No. R0	CUSTOMER COPY		
6 MAX.	±0.2	30 OVER 120 MAX.	±0.5					
GENERAL TOLERANCE.				TITLE CABLINE® -VSF PLUG SHELL ASSEMBLY	SCALE 5:1	UNIT I-PEX		
DWG.	DATE							
CHK.								
APP.								
				DWG. No.	20645	SIZE A3	SHEET 2/6	REV. 15

ITEMS	SPECIFICATION
RATING VOLTAGE	100V AC (PER CONTACT)
RATING AMPERAGE (FOR SIGNAL CONTACT)	0.5A AC/DC (PER CONTACT PIN) ※AVAILABLE UP TO 20PIN 0.3A AC/DC (PER CONTACT PIN) ※AVAILABLE FOR ALL PIN
OPERATING TEMPERATURE	233~358K(-40°C~+85°C)
OPERATING HUMIDITY	85% MAX.
CONTACT RESISTANCE (FOR SIGNAL CONTACT)	INITIAL : 60mohm MAX. / AFTER TEST : \triangleleft 40mohm MAX.
GROUND SHELL RESISTANCE	INITIAL : 60mohm MAX. / AFTER TEST : \triangleleft 40mohm MAX.
INSULATION RESISTANCE	INITIAL : 1000Mohm MIN. / AFTER TEST : 500Mohm MIN.
DIELECTRIC WITHSTANDING VOLTAGE	AC250V 1min
DURABILITY	30 CYCLES
MATING FORCE (INITIAL / AFTER TEST)	30P : 24.0N MAX. / 40P : 32.0N MAX.
UNMATING FORCE (INITIAL / AFTER TEST)	30P : 1.1N MIN. / 40P : 1.4N MIN.
PRODUCT SPECIFICATION	PRS-1878
TEST REPORT	TR-14095, TR-17048
PACKING STANDARD	PST-14087
INSTRUCTION MANUAL	HIM-13010
ASSEMBLY MANUAL	ASM-13003
APPEARANCE CRITERIA No.	QLS-A***

ANGLE	$\pm 2^\circ$	6 OVER 30 MAX.	± 0.3	PROJECTION 	SERIES No. R0	CUSTOMER COPY		
6 MAX.	± 0.2	30 OVER 120 MAX.	± 0.5					
GENERAL TOLERANCE.				TITLE CABLIN [®] -VSF PLUG SHELL ASSEMBLY	SCALE	I-PEX		
DWG.	DATE				-			
CHK.					UNIT			
APP.					mm			
				DWG. No.	20645	SIZE	SHEET	REV.
					A3	3/6	15	

POS.	D	E	F	G
30	14.50	15.30	17.20	15.00
40	19.50	20.30	22.20	20.00

RECOMMENDED FPC LAYOUT
【NON SHIELDED TYPE】

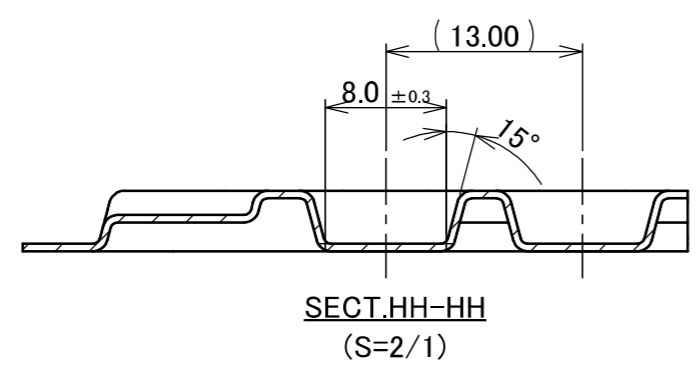
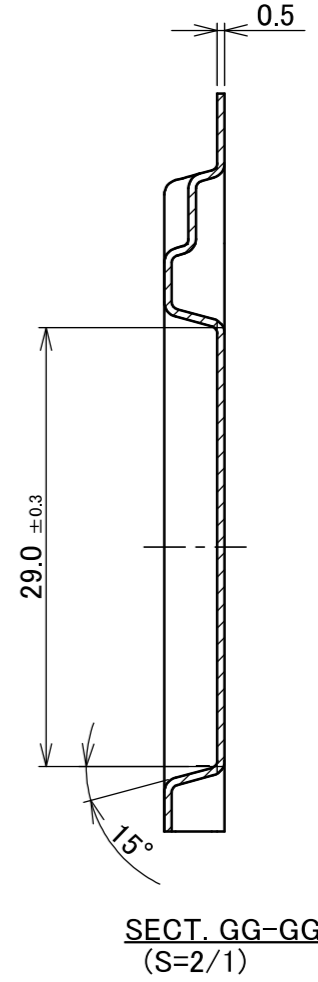
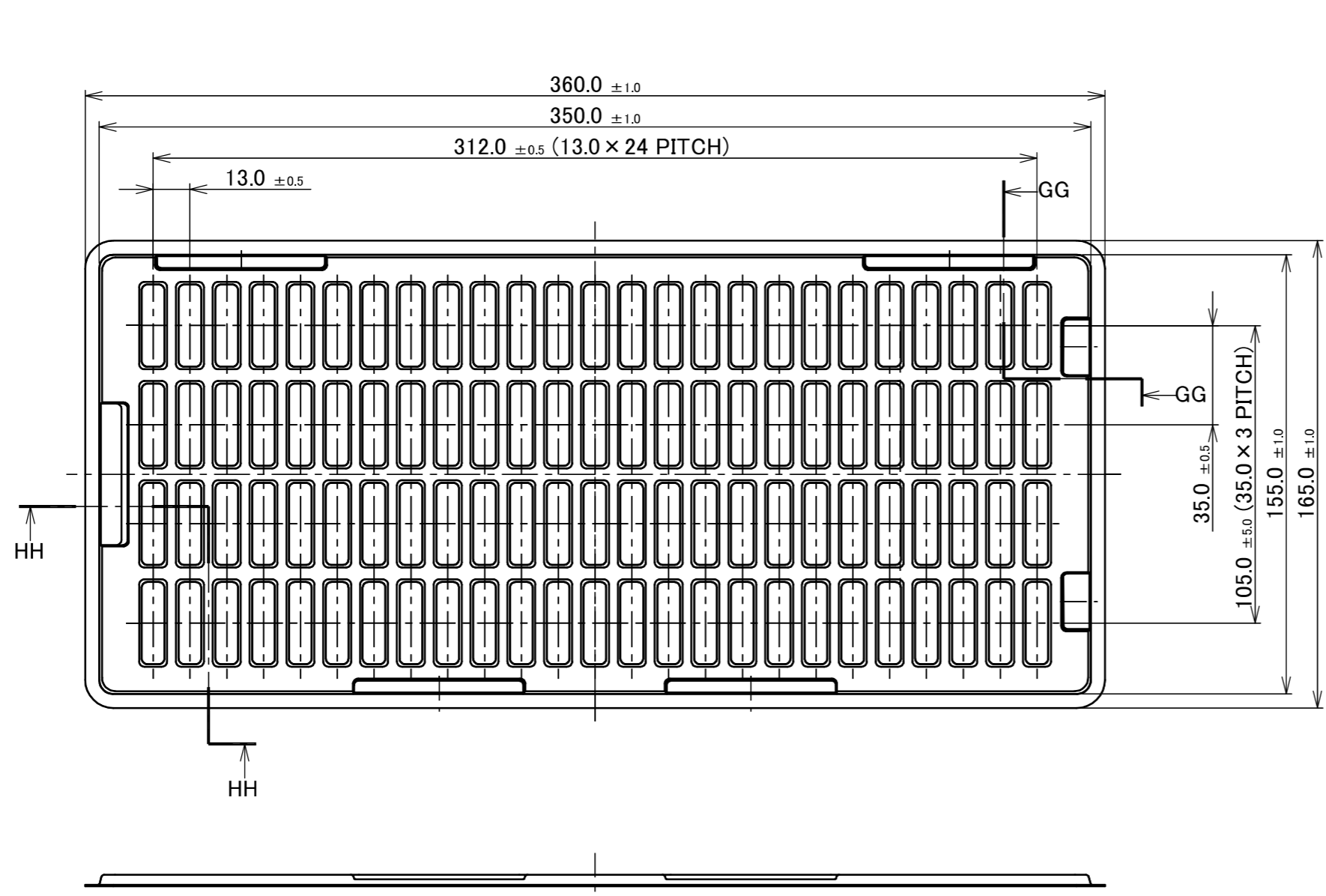


NO.	DESCRIPTION	MATERIAL	PLATING
15	REINFORCING TAPE	-	-
14	INSULATOR	-	-
13	CONDUCTOR (GROUND)	Cu	Ni, Au
12	CONDUCTOR (SIGNAL)	Cu	Ni, Au
11	INSULATOR	-	-

NOTES.
6. ADHESIVE SHOULD USE THERMOSETTING.
7. No.12: CONDUCTOR(SIGNAL) AND No.13: CONDUCTOR(GROUND) ARE NOT CONTACTING.

ANGLE	$\pm 2^\circ$	6 OVER 30 MAX.	± 0.3	PROJECTION 	SERIES No. R0	CUSTOMER COPY		
6 MAX.	± 0.2	30 OVER 120 MAX.	± 0.5					
GENERAL TOLERANCE.				TITLE CABLIN [®] -VSF PLUG SHELL ASSEMBLY	SCALE 5:1	UNIT mm I-PEX		
DWG.	DATE							
CHK.								
APP.								
DWG. No. 20645				SIZE	SHEET	REV.		
				A3	5/6	15		

PART NO.	QTY. IN DITCH (PIECES / DITCH)	QTY. IN TRAY (PIECES / TRAY)	QTY. PER SHIPPING CARTON (TRAYS / S CARTON)	QTY. PER PACKING CARTON (S CARTON / P CARTON)
20645-030T-01	1	100	20 / S CARTON =2000	4 / P CARTON = 8000
20645-040T-01				



16	TRAY	PP	ANTI-STATIC TYPE
NO.	DISCRIPTION	MATERIAL	FINISH , REMARKS

ANGLE	±2°	6 OVER 30 MAX.	±0.3	PROJECTION ⊕	SERIES No. R0	CUSTOMER COPY		
6 MAX.	±0.2	30 OVER 120 MAX.	±0.5					
GENERAL TOLERANCE.				TITLE CABLINÉ® -VSF PLUG SHELL ASSEMBLY	SCALE 10:1	UNIT I-PEX		
DWG.	DATE							
CHK.								
APP.								
				DWG. No.	20645	SIZE	SHEET	REV.
						A3	6/6	15