

Recommended P/N 20453-2\*\*T-03(20P/30P/40P) 20453-250T-03S(50P)

PART NO.	Pos.	A	B	C	D	E	F	G	H
20453-#20T-*1	20	9.50	10.30	12.56	16.00	16.15	13.00	17.55	14.45
20453-#30T-*1	30	14.50	15.30	17.56	21.00	21.15	18.00	22.55	19.45
20453-#40T-*1	40	19.50	20.30	22.56	26.00	26.15	23.00	27.55	24.45
20453-#50T-*1S	50	24.50	25.30	27.56	31.00	31.15	28.00	32.55	29.45

**WITH PULL-BAR & PULL-TAPE**

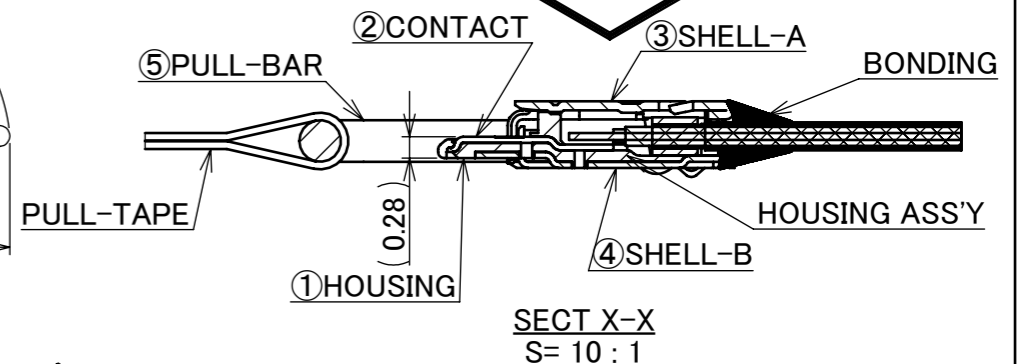
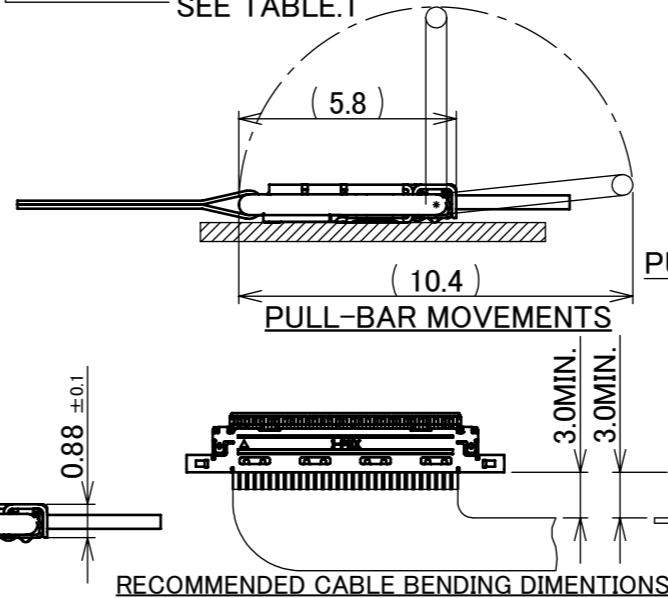
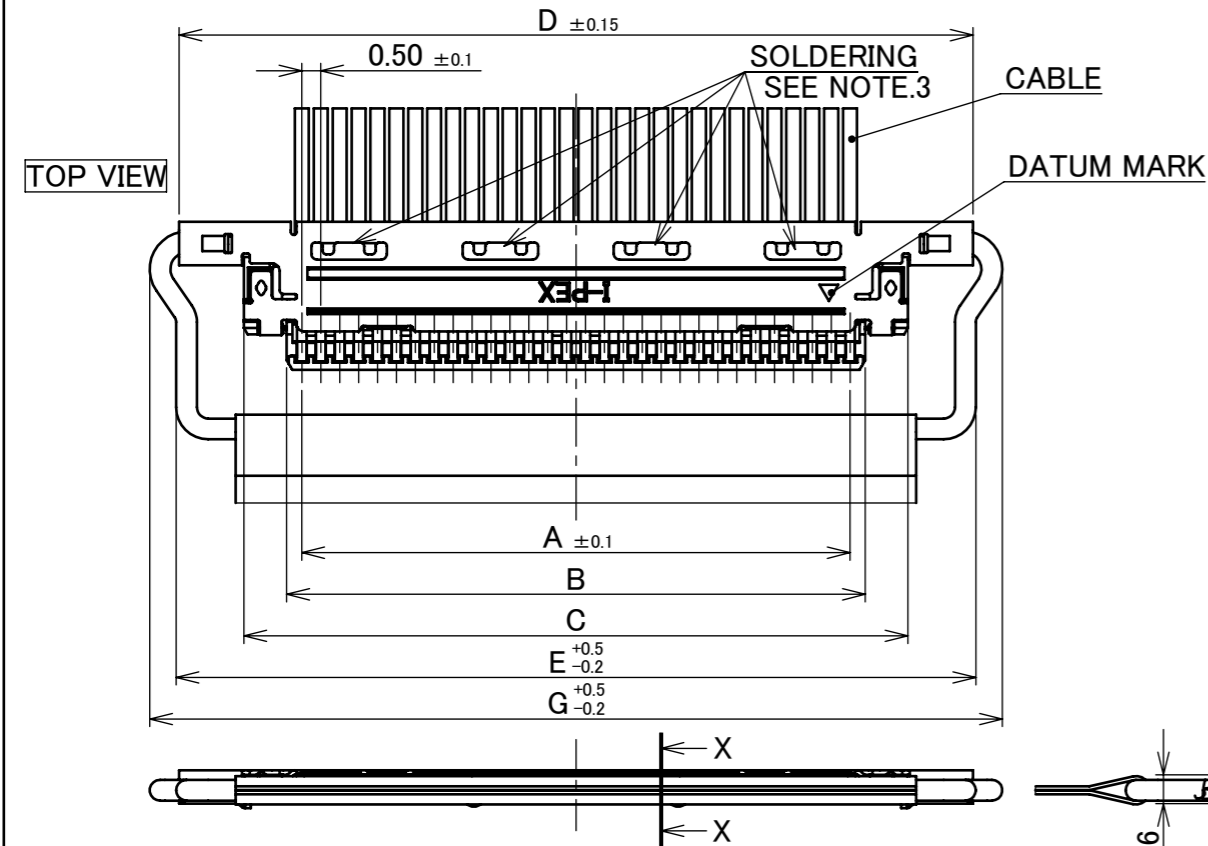
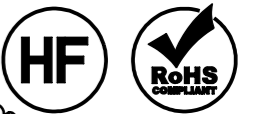
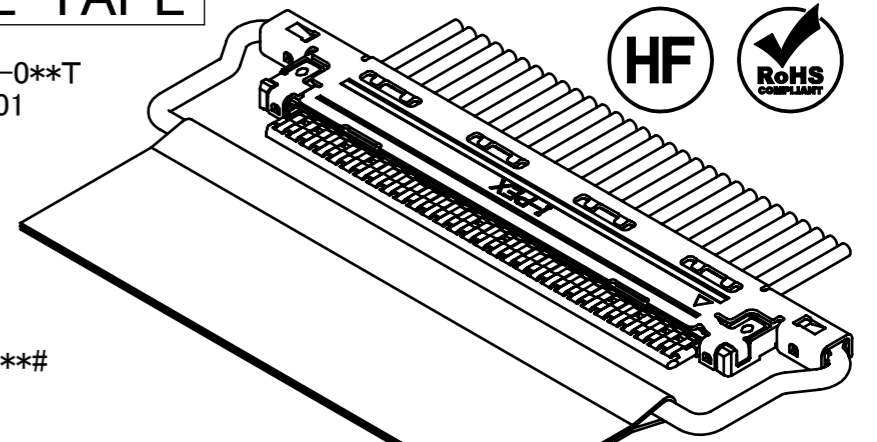
P/N:20453-#\*\*T-\*\*\*

NOTHING : HOUSING ASS'Y P/N 20454-0\*\*T  
S : HOUSING ASS'Y P/N 20454-0\*\*T-01

1 : WITH PULL-BAR P/N 2576-0\*\*-\*\*  
2 : WITHOUT PULL-BAR  
3 : WITH INSULATION COAT PULL-BAR P/N 2576-1\*\*-\*\*

0 : WITH DATUM MARK P/N 2574-0\*\*#  
1 : WITHOUT DATUM MARK P/N 2574-1\*\*#

SEE TABLE.1



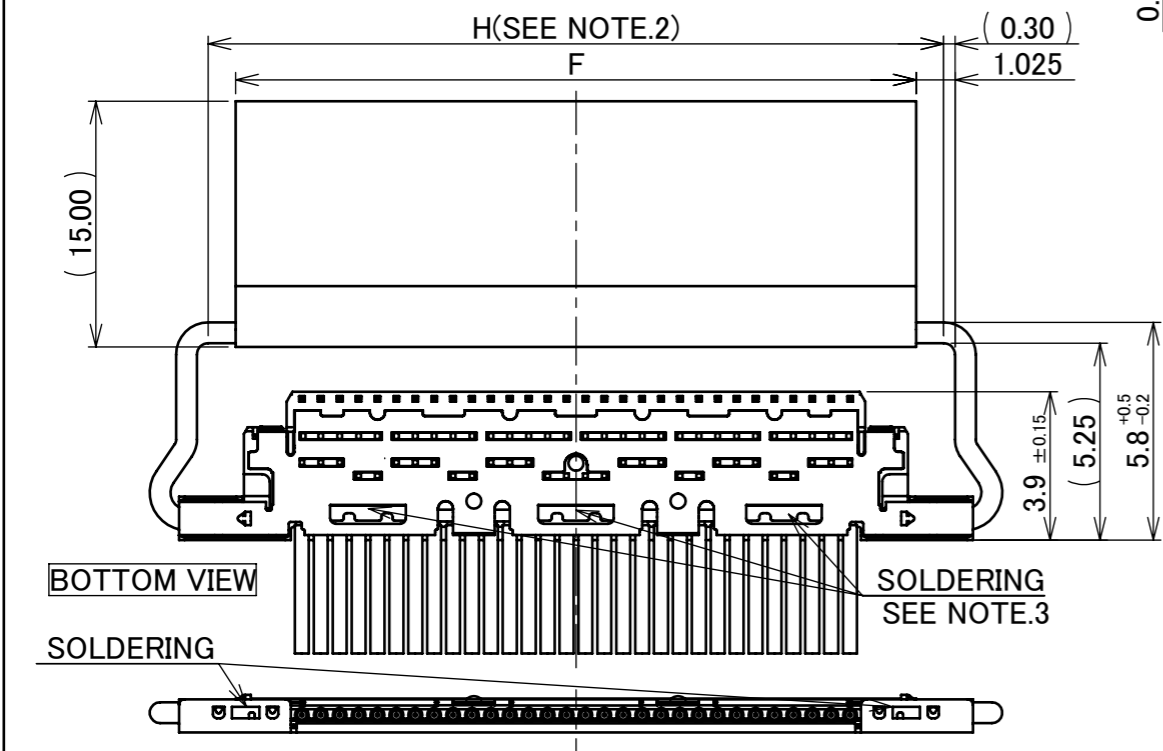
PART NO.

CABLE ASS'Y PART NO.	HOUSING ASS'Y PART NO.	SHELL-A PART NO.	PULL-BAR PART NO.
20453-0**T-*1*	20454-0**T-**	2574-***	2576-0**-**
20453-2**T-*1*	20454-2**T-**	2574-***2	2576-0**-**

TABLE.1

PART NO.	CONTACT FINISH	SHELL-A FINISH	SHELL-B FINISH
20453-0**T-***	CONTACT AREA : Au 0.1 μm MIN. OVER Ni 1.00 μm MIN. SOLDERING AREA : Au 0.05 μm MIN. OVER Ni 1.00 μm MIN.	TOP SIDE : Au 0.05 μm MIN. OVER Ni 1.00 μm MIN. BOTTOM SIDE : Au 0.015 μm MIN. OVER Ni 1.00 μm MIN.	TOP SIDE : Au 0.015 μm MIN. OVER Ni 1.00 μm MIN. BOTTOM SIDE : Au 0.05 μm MIN. OVER Ni 1.00 μm MIN.
20453-2**T-***	CONTACT AREA : Au 0.1 μm MIN. OVER Ni 1.00 μm MIN. SOLDERING AREA : Au 0.05 μm MIN. OVER Ni 1.00 μm MIN.	TOP SIDE : Au 0.03 μm MIN. OVER Ni 1.00 μm MIN. BOTTOM SIDE : Ni 1.00 μm MIN.(THERE IS THE POSSIBILITY THAT Au ATTACHES RANDOMLY)	TOP SIDE : Ni 1.00 μm MIN.(THERE IS THE POSSIBILITY THAT Au ATTACHES RANDOMLY) BOTTOM SIDE : Au 0.03 μm MIN. OVER Ni 1.00 μm MIN.

NO.	DISCRIPTION	MATERIAL	FINISH, REMARKS
5	PULL-BAR	SUS	
4	SHELL-B	PHOSPHOR BRONZE	SEE ABOVE TABLE.1
3	SHELL-A	PHOSPHOR BRONZE	SEE ABOVE TABLE.1
2	CONTACT	PHOSPHOR BRONZE	SEE ABOVE TABLE.1
1	HOUSING	LCP	UL94V-0, BLACK

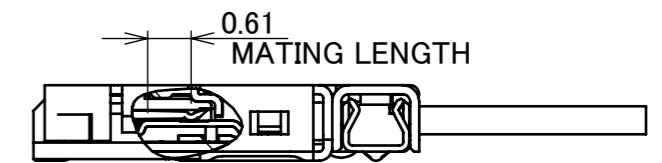
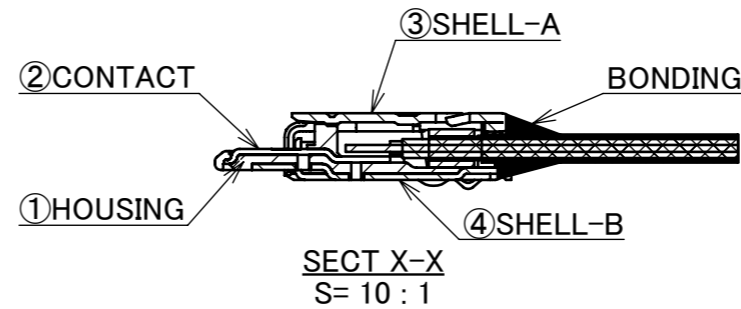
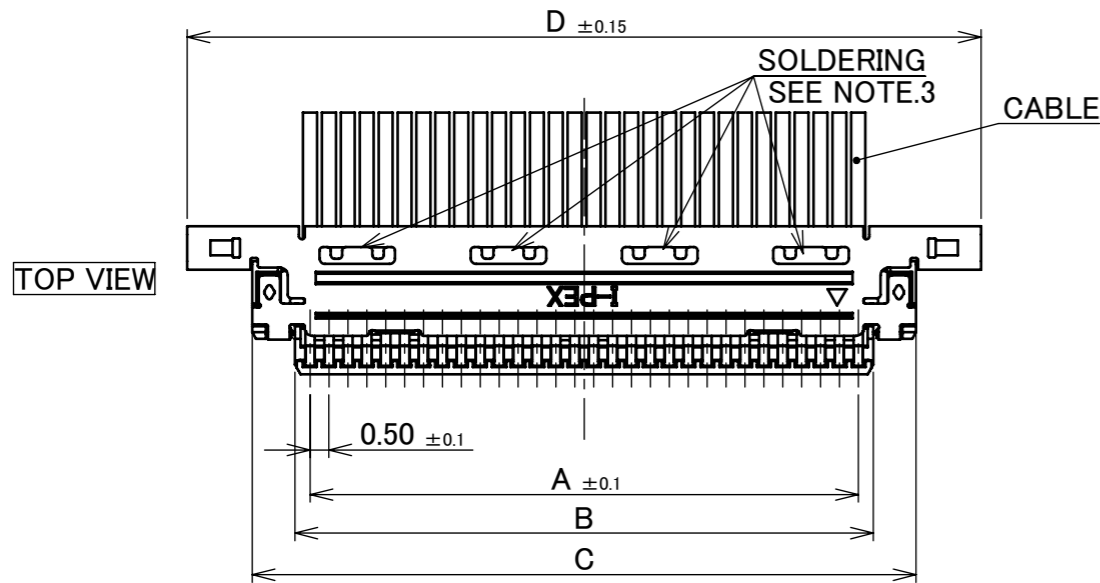
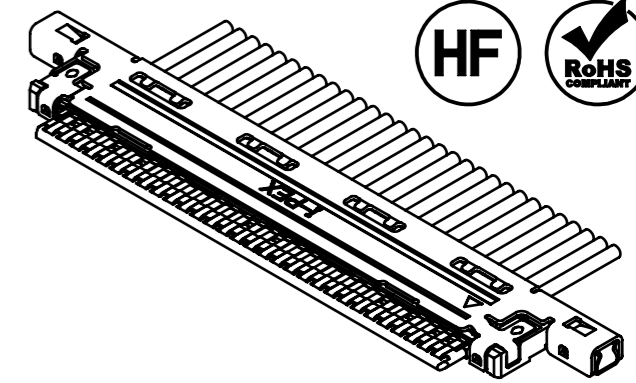


NOTES.  
1.RECOMMENDED PULL-TAPE  
PULL-TAPE : TERAOKA's INSULATION TAPE No.650S(#50) t=0.08  
2.PULL-TAPE CAN BE PUT WITHIN THE RANGE OF "H"(STRAIGHT AREA)  
3.SOLDERING IS ONLY A CASE WITH GND-BAR

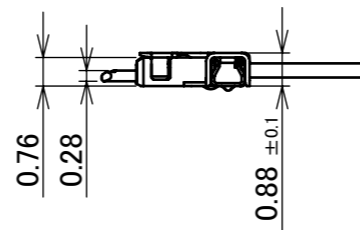
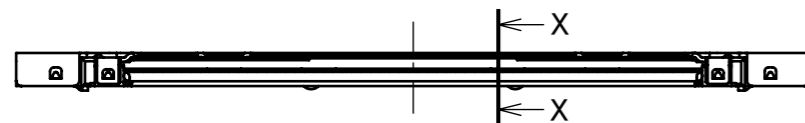
**PATENT REGISTERED**

REV.	ECN	BY	DATE	APP.	APP.	PROJECTION	SERIES No.	TITLE	SCALE	SHEET	REV.
31	Z210160	R.M	Feb./17/'21	H.I	ANGLE ±2°	6 OVER 30 MAX. ±0.3	R11R3R0	CABLINE® -VS PLUG FOR CABLE ASS'Y	5:1	1/6	31
30	Z201153	T.Ono	Nov./05/'20	H.I	6 MAX. ±0.2	30 OVER 120 MAX. ±0.5					
29	Z191177	R.M	Sept./16/'19	H.I	GENERAL TOLERANCE.						
28	Z190010	Y.M	Jan./07/'19	H.I	DWG. H.Ikari	DATE 2007/09/27					
27	Z181341	Y.M	Oct./12/'18	H.I	CHK.						
26	Z181146	Y.M	Aug./31/'18	H.I							
REVISION RECORD						E.Kawabe	2007/09/27	20453	A3	1/6	31

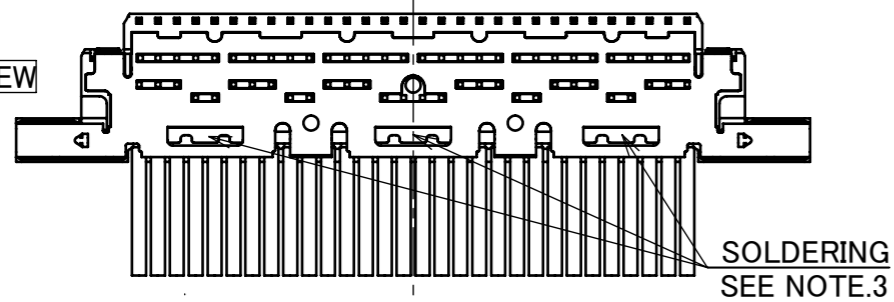
WITHOUT PULL-BAR



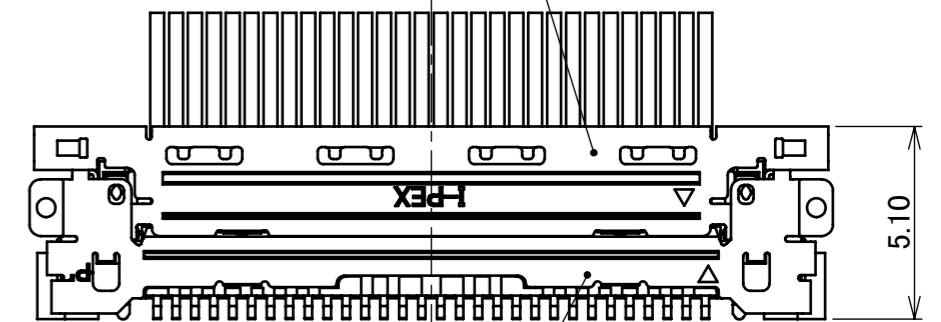
MATING CONDITION



BOTTOM VIEW



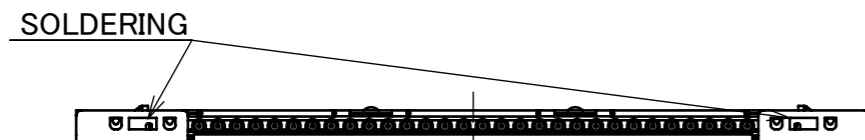
PLUG P/N: 20453-##\*T-#2#



RECE P/N: 20455-##\*E-##

PART NO.

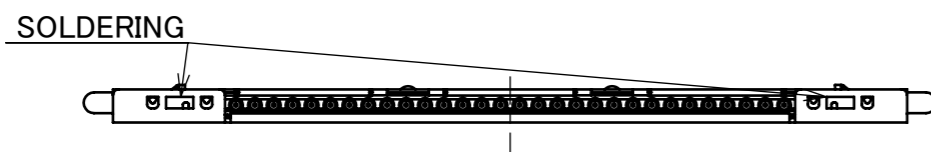
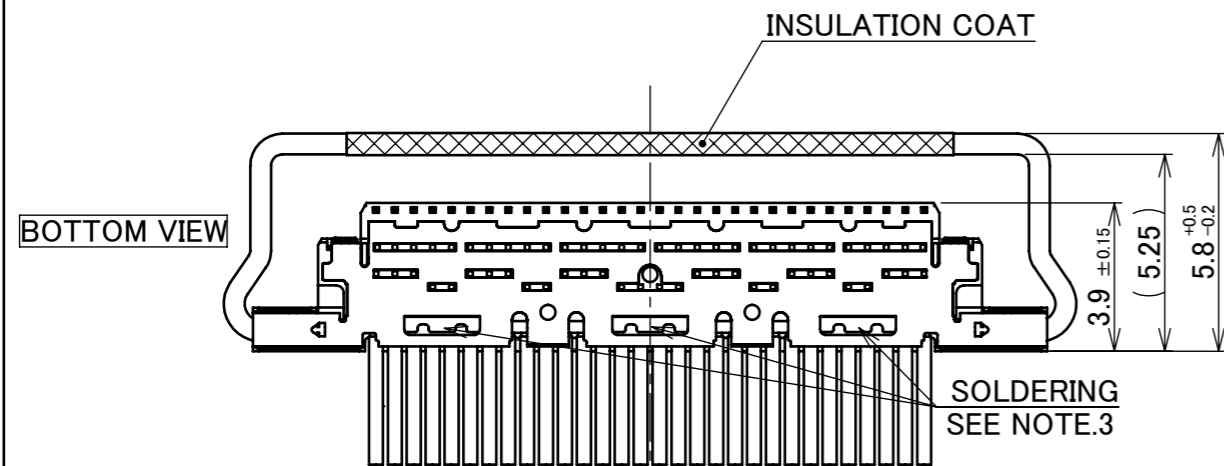
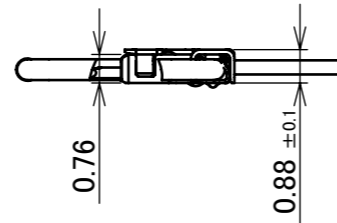
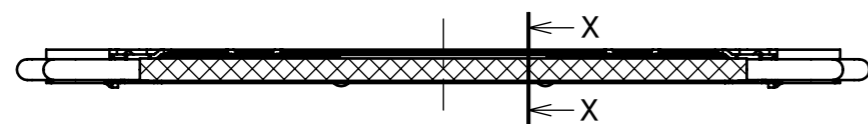
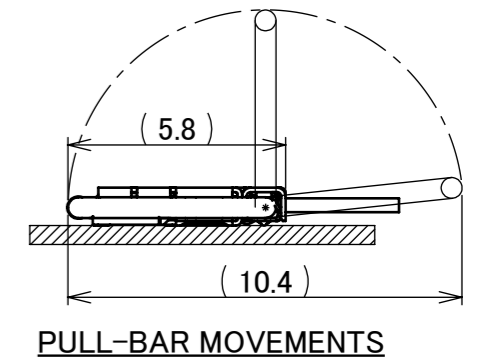
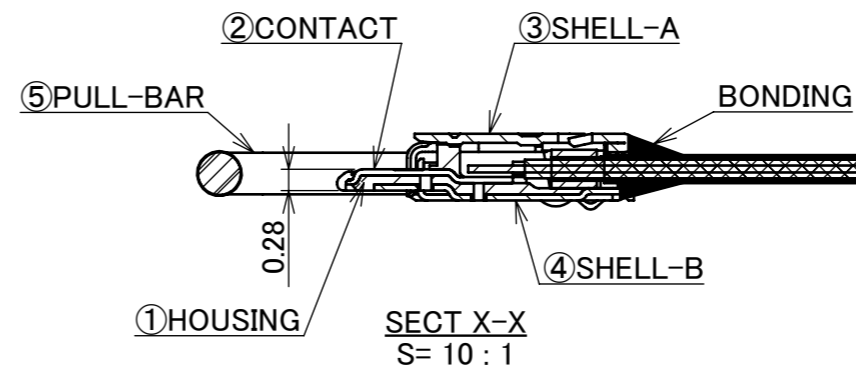
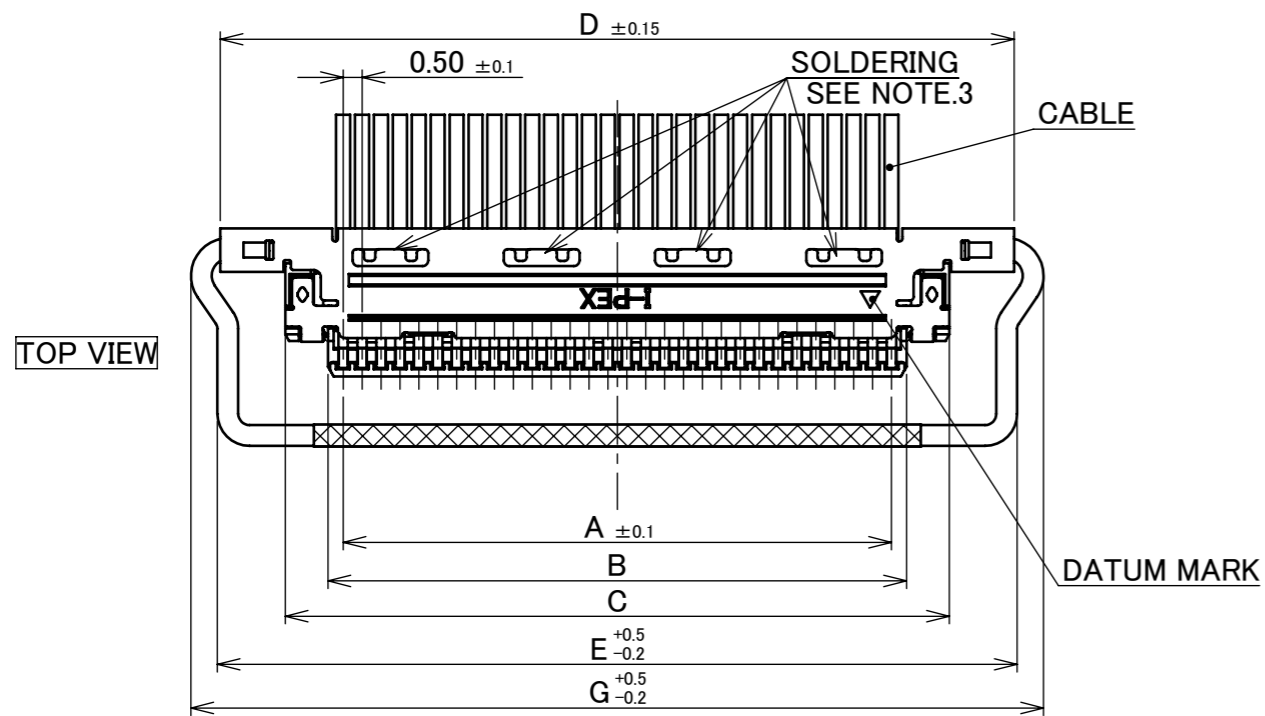
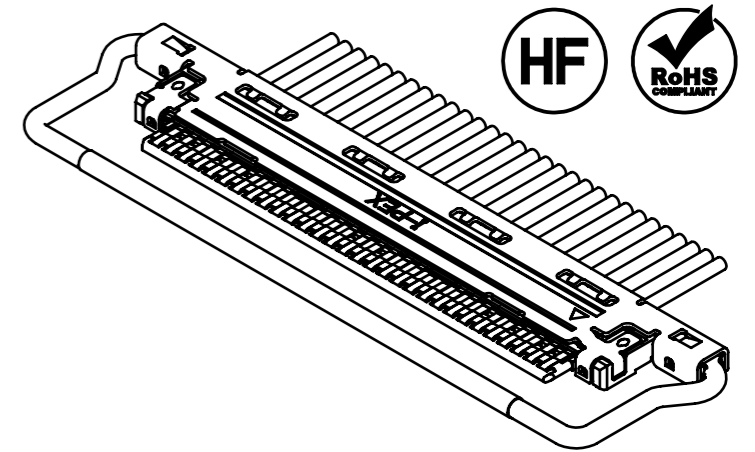
CABLE ASS'Y PART NO.	HOUSING ASS'Y PART NO.	SHELL-A PART NO.	PULL-BAR PART NO.
20453-0**T-*2*	20454-0**T-**	2574-***	-
20453-2**T-*2*	20454-2**T-**	2574-***2	-



PATENT REGISTERED

ANGLE	±2°	6 OVER 30 MAX.	±0.3	PROJECTION ⊕	SERIES No. R11R3R0	CUSTOMER COPY			
6 MAX.	±0.2	30 OVER 120 MAX.	±0.5						
GENERAL TOLERANCE.				TITLE		SCALE	<b>I-PEX</b>		
DWG.	DATE			CABLINE® -VS PLUG FOR CABLE ASS'Y		5:1			
CHK.						UNIT			
APP.				DWG. No. 20453		mm			
						SIZE	SHEET	REV.	
						A3	2/6	31	

WITH INSULATION COAT PULL-BAR



PART NO.

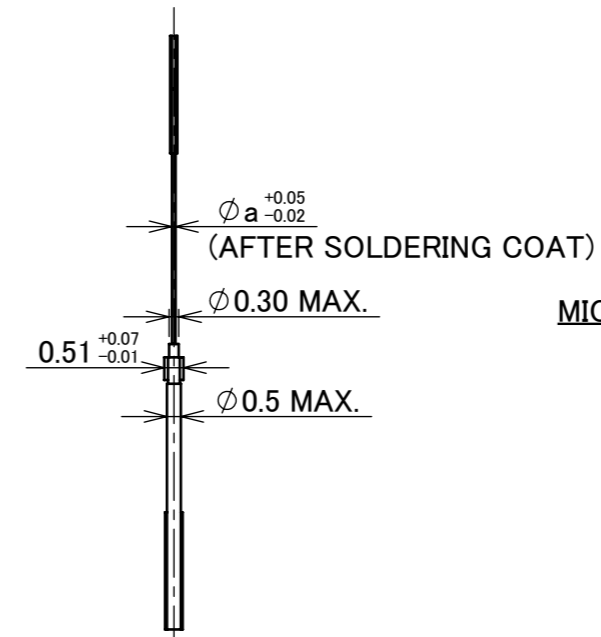
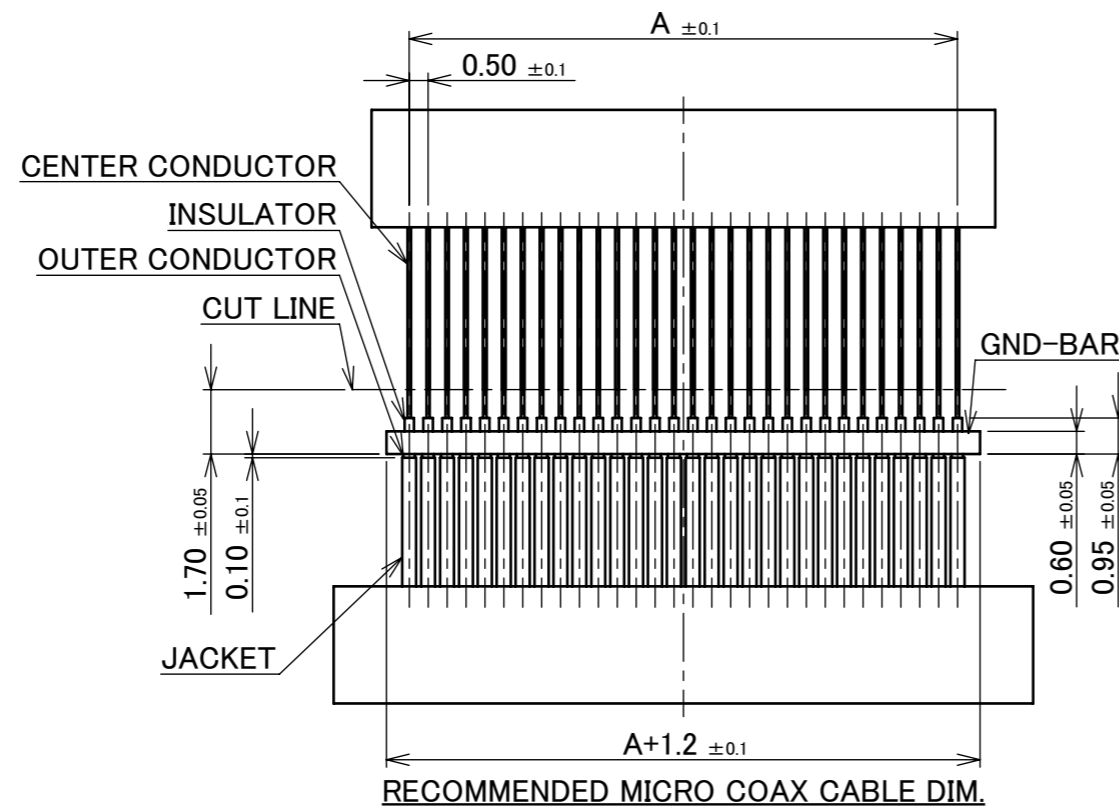
CABLE ASS'Y PART NO.	HOUSING ASS'Y PART NO.	SHELL-A PART NO.	PULL-BAR PART NO.
20453-0**T-*1*	20454-0**T-**	2574-***	2576-1**-**
20453-2**T-*1*	20454-2**T-**	2574-***2	2576-1**-**

ANGLE	±2°	6 OVER 30 MAX.	±0.3	PROJECTION ⊕	SERIES No. R11R3R0	CUSTOMER COPY			
	6 MAX.	±0.2	30 OVER 120 MAX.						±0.5
GENERAL TOLERANCE.				TITLE		SCALE	<b>I-PEX</b>		
DWG.	DATE			CABLIN <sup>®</sup> -VS PLUG FOR CABLE ASS'Y		5:1			
CHK.						UNIT			
APP.				DWG. No. 20453		mm			
						SIZE	SHEET	REV.	
						A3	3/6	31	

PATENT REGISTERED

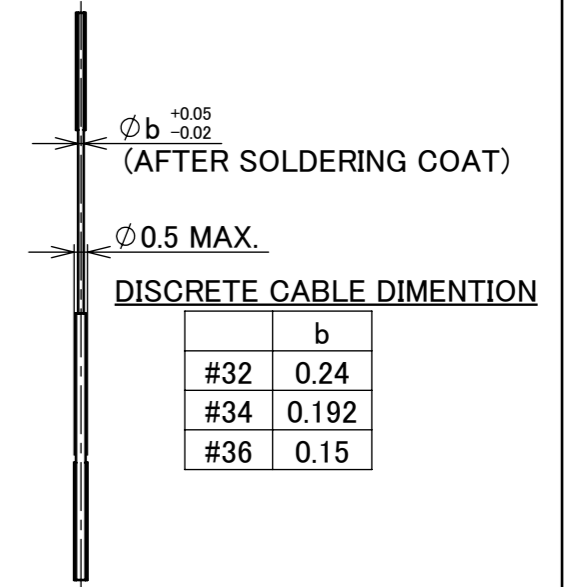
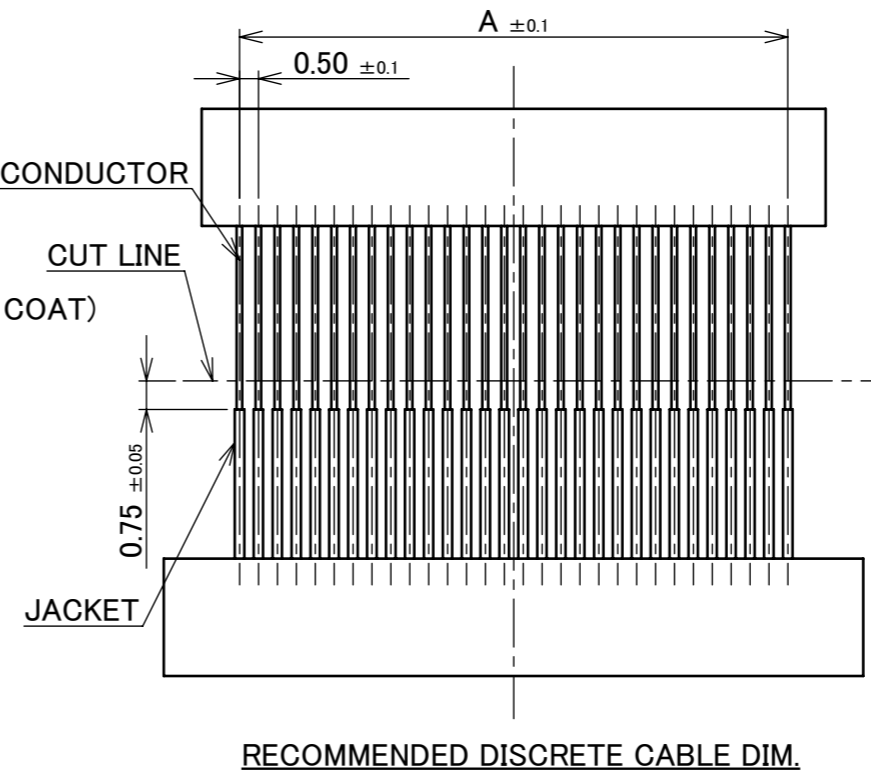
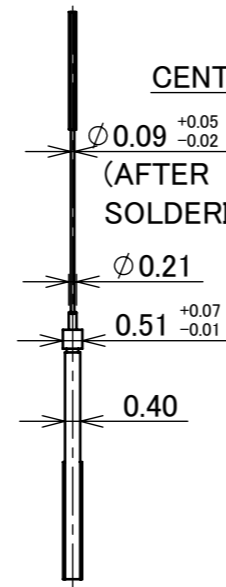
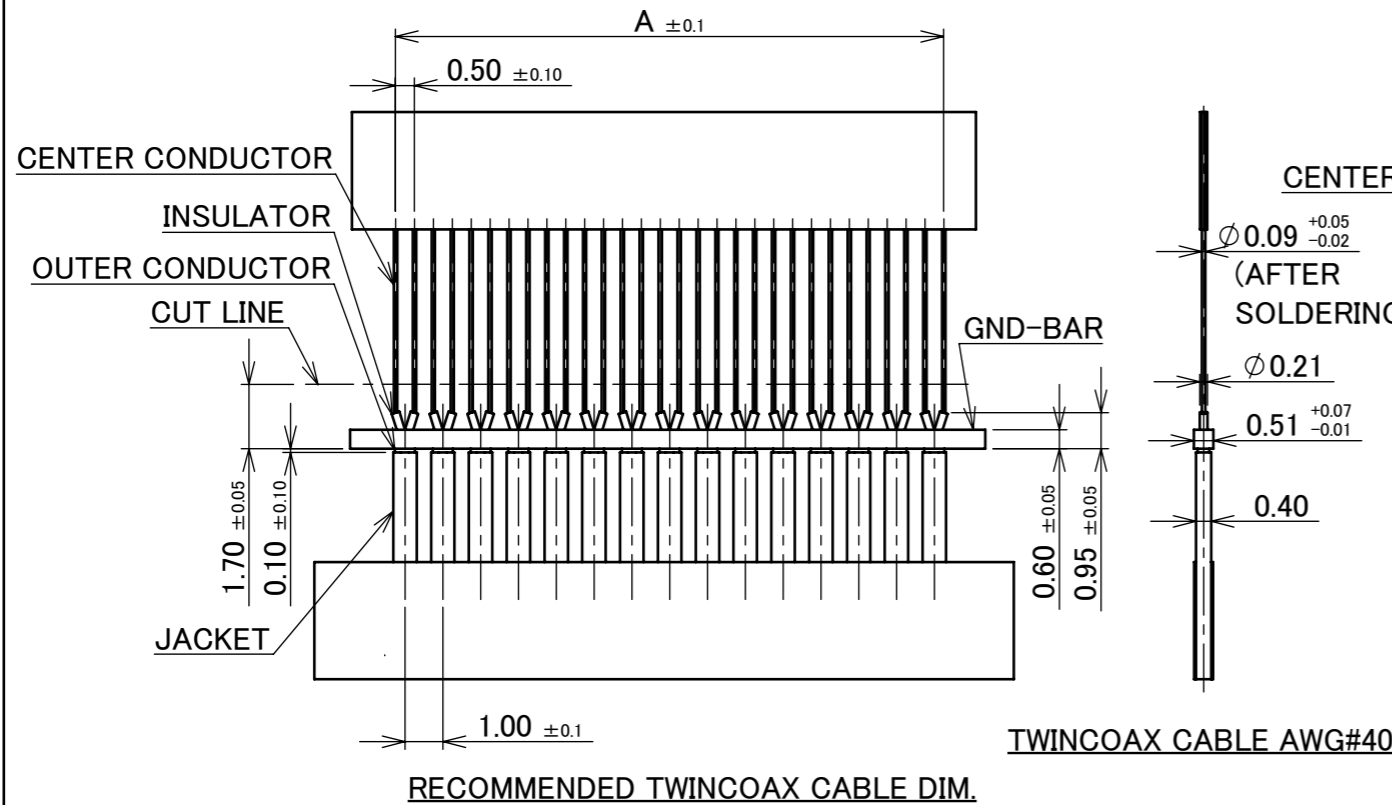
ITEMS	SPECIFICATION
APPLICABLE CABLE	MICRO COAX : AWG# 44, 42, 40, 38, 36 DISCRETE : AWG# 36, 34, 32 TWINCOAX : AWG# 40
RATING VOLTAGE	100V AC (PER CONTACT)
RATING AMPERAGE (FOR CONTACT)	0.1A AC/DC [AWG#44] PER CONTACT/UP TO 50 CONTACTS 0.24A AC/DC [AWG#42] PER CONTACT/UP TO 50 CONTACTS 0.3A AC/DC [AWG#40] PER CONTACT/UP TO 50 CONTACTS 0.5A AC/DC [AWG#38] PER CONTACT/UP TO 14 CONTACTS 0.8A AC/DC [AWG#36] PER CONTACT/UP TO 10 CONTACTS 1.0A AC/DC [AWG#34] PER CONTACT/UP TO 6 CONTACTS 1.0A AC/DC [AWG#32] PER CONTACT/UP TO 6 CONTACTS TESTING BY A REAL MACHINE IS RECOMMENDED BECAUSE TEMPERATURE RISE MAY AFFECTED BY ACTUAL SITUATION.
OPERATING TEMPERATURE	233~358K(-40°C~+85°C)
OPERATING HUMIDITY	85% R.H. MAX.(NON-CONDENSING)
CONTACT RESISTANCE	INITIAL : 140mohm MAX.(AWG#32) / AFTER TEST : $\Delta$ 40mohm MAX. 180mohm MAX.(AWG#34) 275mohm MAX.(AWG#36) 360mohm MAX.(AWG#38) 600mohm MAX.(AWG#40) 700mohm MAX.(AWG#42) 1080mohm MAX.(AWG#44)
GROUND SHELL RESISTANCE	INITIAL : 50mohm MAX. / AFTER TEST : $\Delta$ 40mohm MAX.
INSULATION RESISTANCE	INITIAL : 1000Mohm MIN. / AFTER TEST : 500Mohm MIN.
DIELECTRIC WITHSTANDING VOLTAGE	AC250V 1min
DURABILITY	30 CYCLES
MATING FORCE (INITIAL / AFTER TEST)	20P : 9.45N MAX. 30P : 12.15N MAX. 40P : 16.20N MAX. 50P : 20.25N MAX.
UNMATING FORCE (INITIAL / AFTER TEST)	20P : 2.0N MIN. 30P : 3.0N MIN. 40P : 4.0N MIN. 50P : 5.0N MIN.
CABLE RETENTION FORCE	20P : 9.80N MIN. 30P : 14.70N MIN. 40P : 19.60N MIN. 50P : 24.50N MIN.
PRODUCT SPECIFICATION	PRS-1427
TEST REPORT	TR-08047 (20453-0**T-###) / TR-13084 (20453-2**T-###)
INSTRUCTION MANUAL	HIM-08004
ASSEMBLY MANUAL	ASM-08003
APPEARANCE CRITERIA No.	QLS-A***

ANGLE	$\pm 2^\circ$	6 OVER 30 MAX.	$\pm 0.3$	PROJECTION 	SERIES No. R11R3R0	CUSTOMER COPY			
6 MAX.	$\pm 0.2$	30 OVER 120 MAX.	$\pm 0.5$						
GENERAL TOLERANCE.				TITLE CABLIN <sup>®</sup> -VS PLUG FOR CABLE ASS'Y	SCALE	<b>I-PEX</b>			
DWG.	DATE				5:1				
CHK.					UNIT				mm
APP.					SIZE				SHEET
				DWG. No.	20453	A3	4/6	31	



MICRO COAX CABLE DIMENSION

	a
#36	0.15
#38	0.12
#40	0.09
#42	0.075
#44	0.063



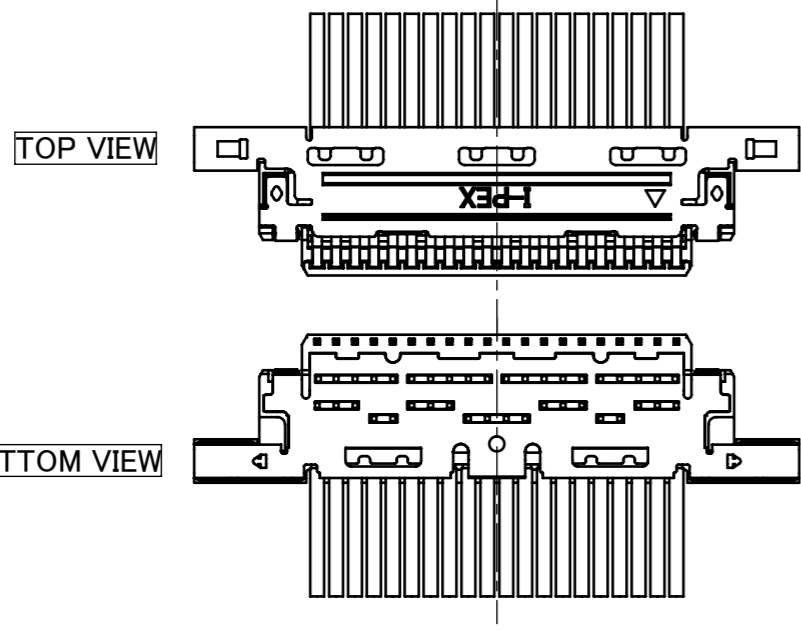
DISCRETE CABLE DIMENTION

	b
#32	0.24
#34	0.192
#36	0.15

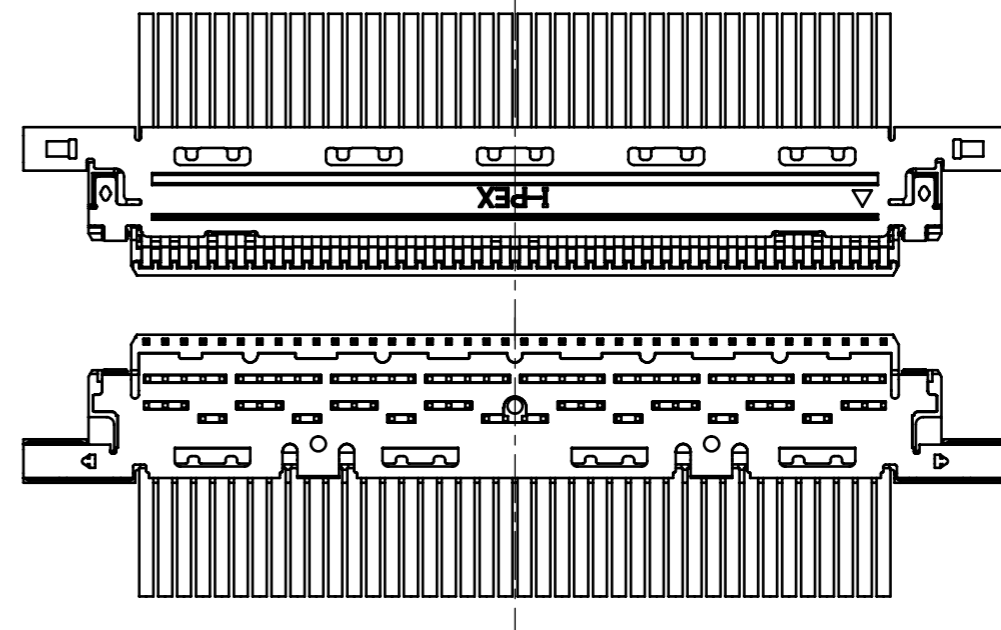
ANGLE	$\pm 2^\circ$	6 OVER 30 MAX.	$\pm 0.3$	PROJECTION ⊕	SERIES No. R11R3R0	CUSTOMER COPY						
	6 MAX.	$\pm 0.2$	30 OVER 120 MAX.						$\pm 0.5$			
GENERAL TOLERANCE.				TITLE		SCALE	I-PEX					
DWG.	DATE			CABLIN <sup>®</sup> -VS PLUG FOR CABLE ASS'Y		5:1						
CHK.						UNIT						
APP.						mm				SIZE	SHEET	REV.
				DWG. No.		A3	20453	5/6	31			

# THE EXTERNAL APPEARANCE

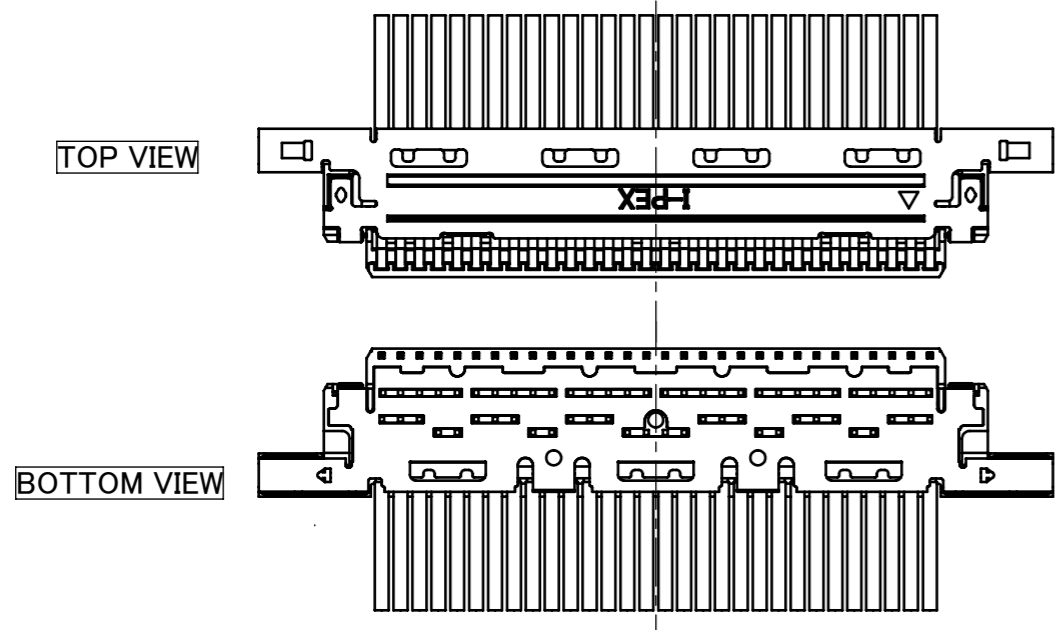
20P



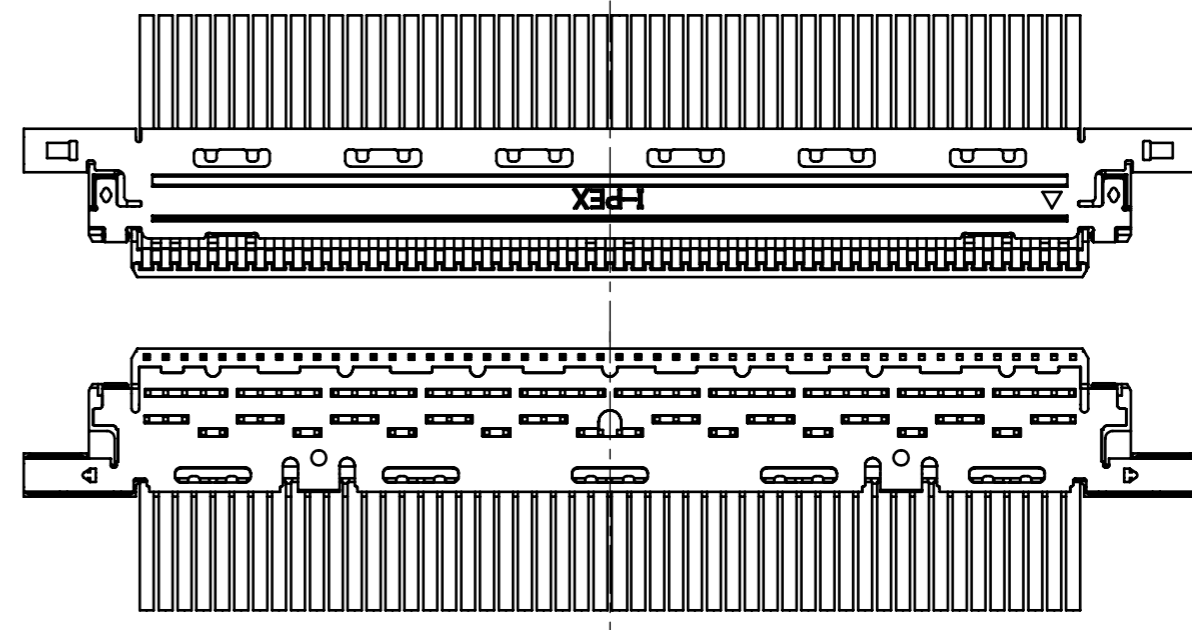
40P



30P



50P



ANGLE	$\pm 2^\circ$	6 OVER 30 MAX.	$\pm 0.3$	PROJECTION 	SERIES No. R11R3R0	CUSTOMER COPY	
6 MAX.	$\pm 0.2$	30 OVER 120 MAX.	$\pm 0.5$				
GENERAL TOLERANCE.				TITLE	SCALE		
DWG.	DATE		CABLIN <sup>®</sup> -VS PLUG FOR CABLE ASS'Y	5:1			
CHK.				UNIT	mm		
APP.			DWG. No.	20453	SIZE		
					A3	6/6	31