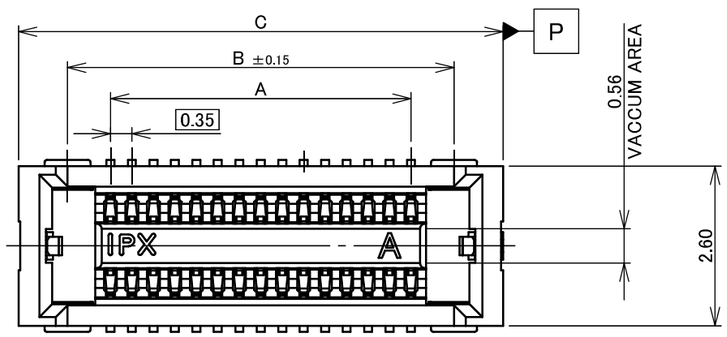
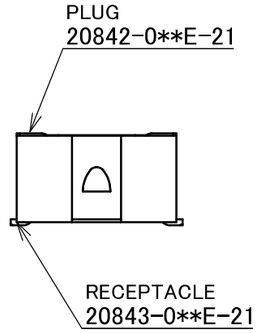
Recommended P/N	20843-0**E-21

PART No.	Pos	A	B	C
20843-010E-21	10	1.40	2.80	4.40
20843-030E-21	30	4.90	6.30	7.90
20843-040E-21	40	6.65	8.05	9.65
20843-050E-21	50	8.40	9.80	11.40

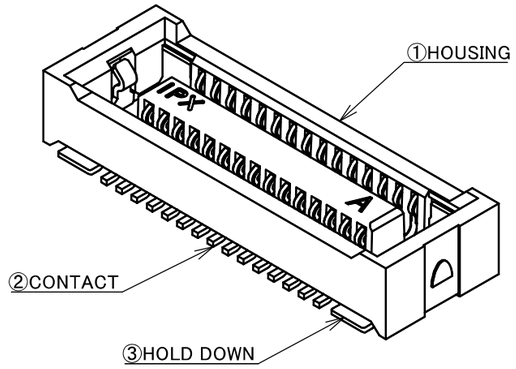
Halogen Free

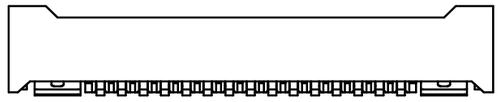
RoHS Compliant

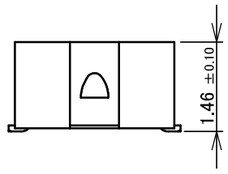


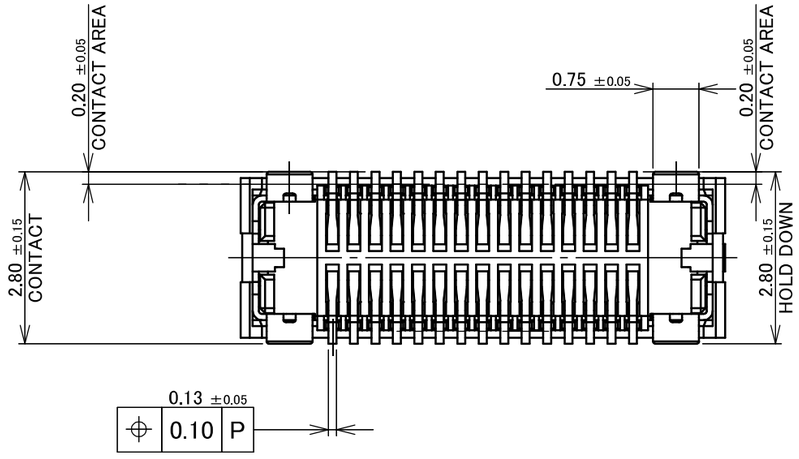


MATING CONDITION









NO.	DESCRIPTION	MATERIAL	FINISH , REMARKS
3	HOLD DOWN	CORSON ALLOY	ALL OVER Ni 1.27 μm MIN. CONTACT PART Au 0.10 μm MIN. SOLDERING PART Au 0.01 μm MIN.
2	CONTACT	CORSON ALLOY	ALL OVER Ni 1.27 μm MIN. CONTACT PART Au 0.10 μm MIN. SOLDERING PART Au 0.01 μm MIN.
1	HOUSING	LCP	UL94V-0, BLACK

REV.	ECN	BY	DATE	APP.
6	ZC01131	X.L	2026/11/04	S.S
5	Z241412	R.TA	2024/10/10	S.S
4	Z220202	TSU	2022/02/25	Y.H
3	Z190998	KAG	2019/07/29	Y.S
2	Z190298	R.S	2019/03/01	TAK
1	Z181014	R.H	2018/08/01	TAK

REVISION RECORD

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

GENERAL TOLERANCE.

DWG. T.Fukushima DATE 2018/03/23

CHK. S.Hamada

APP. T.Hirakawa

PROJECTION

SERIES No. R1

CUSTOMER COPY

TITLE: NOVASTACK® 35-PH RECEPTACLE ASSEMBLY

SCALE 10:1

UNIT mm

DWG. No. 20843

SIZE A3

SHEET 1/5

REV. 6

I-PEX

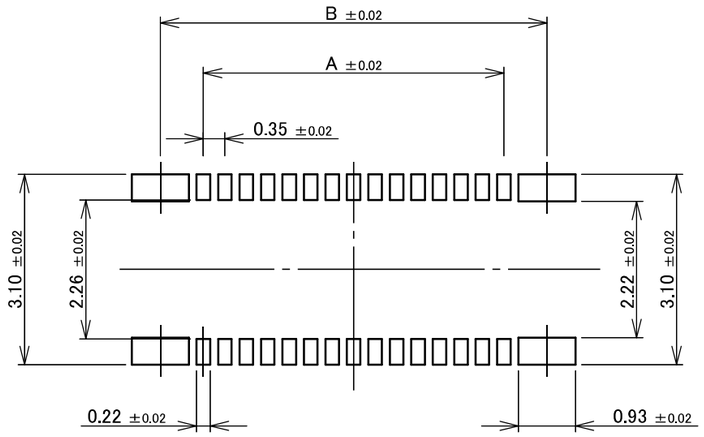
Confidential C

I-PEX Inc.

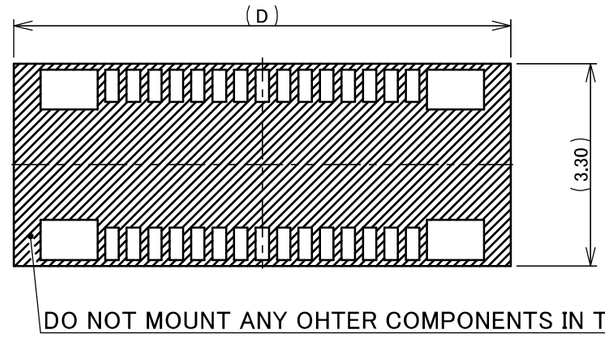
ITEMS	SPECIFICATION
APPLICABLE CONNECTOR PART No.	20842-0**E-21
RATING VOLTAGE	50V AC (r.m.s)/DC (PER CONTACT PIN)
RATING AMPERAGE (FOR SIGNAL CONTACT)	0.3A MAX. AC/DC (PER CONTACT PIN) 40P AND OVER : 12.0A AC/DC MAX.(TOTAL)
RATING AMPERAGE (FOR POWER CONTACT)	3.0A MAX. AC/DC (PER CONTACT PIN)/ 6.0A MAX. AC/DC (TOTAL)
OPERATING TEMPERATURE	233～358K(-40℃～+85℃)
OPERATING HUMIDITY	85% MAX.(NON-CONDENSING)
CONTACT RESISTANCE (FOR SIGNAL CONTACT)	INITIAL : 80mohm MAX. / AFTER TEST : ⊿20mohm MAX.
CONTACT RESISTANCE (FOR POWER CONTACT)	INITIAL : 80mohm MAX. / AFTER TEST : ⊿20mohm MAX.
INSULATION RESISTANCE	INITIAL : 1,000Mohm MIN. / AFTER TEST : 500Mohm MIN.
DIELECTRIC WITHSTANDING VOLTAGE	AC200V 1min
DURABILITY	30 CYCLES
MATING FORCE (INITIAL)	1.0N/PIN MAX.
UNMATING FORCE (AFTER TEST)	ALL PIN COUNT: 0.15N/PIN MIN.
COPLANARITY	0.10 MAX.
PRODUCT SPECIFICATION	PRS-2463
TEST REPORT	TR-18014
PACKING STANDARD	PST-17083
INSTRUCTION MANUAL	HIM-18017
APPEARANCE CRITERIA No.	QLS-A***

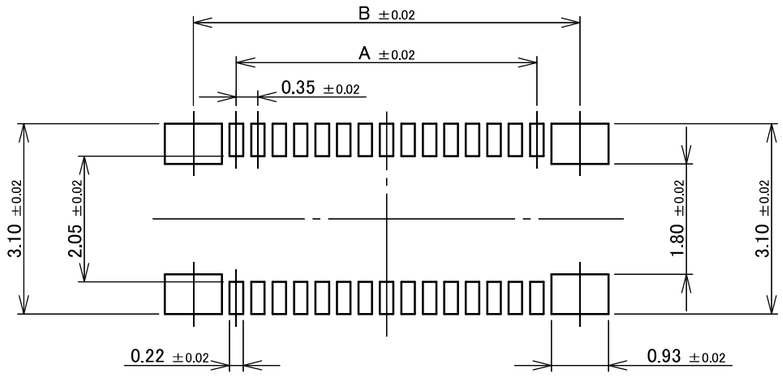
ANGLE ±2°	6 OVER 30 MAX. ±0.3	PROJECTION	SERIES No.	CUSTOMER COPY	
6 MAX. ±0.2	30 OVER 120 MAX. ±0.5		R1		
GENERAL TOLERANCE.		TITLE		SCALE	
DWG. DATE		NOVASTACK® 35-PH RECEPTACLE ASSEMBLY		UNIT mm	I-PEX
CHK.					
APP.		DWG. No. 20843		SIZE A3	SHEET 2/5 REV. 6

PART No.	Pos	A	B	D
20843-010E-21	10	1.40	2.80	4.60
20843-030E-21	30	4.90	6.30	8.10
20843-040E-21	40	6.65	8.05	9.85
20843-050E-21	50	8.40	9.80	11.60



RECOMMENDED METAL MASK LAYOUT (t=0.12)





RECOMMENDED PAD LAYOUT

ANGLE	±2°	6 OVER 30 MAX.	±0.3	PROJECTION	SERIES No. R1
6 MAX.	±0.2	30 OVER 120 MAX.	±0.5		CUSTOMER COPY

GENERAL TOLERANCE.

DWG. DATE

CHK.

APP.

TITLE: NOVASTACK® 35-PH RECEPTACLE ASSEMBLY

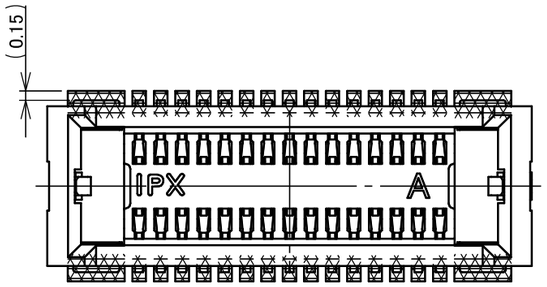
SCALE: 10:1

UNIT: mm

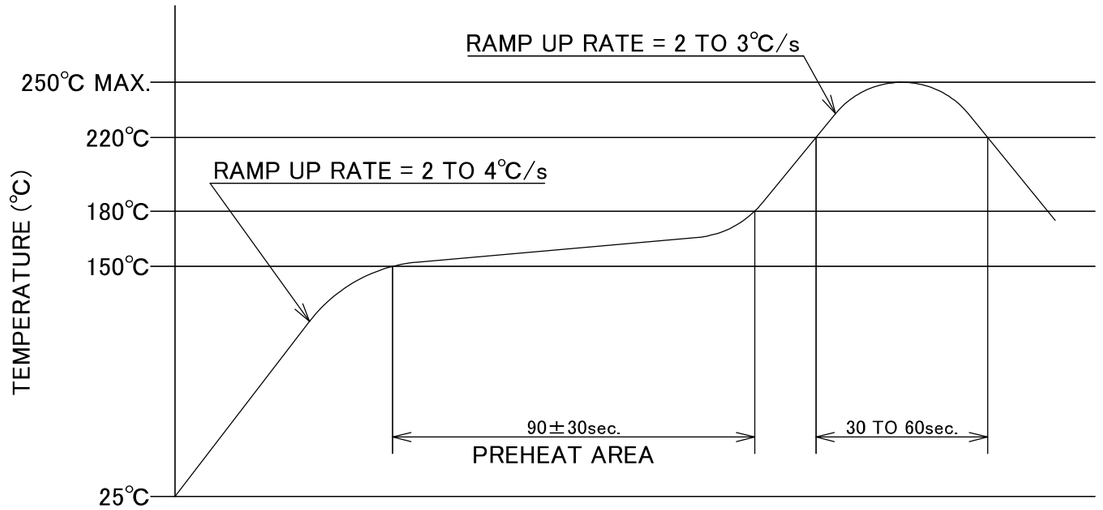
DWG. No.: 20843

SIZE: A3 | SHEET: 3/5 | REV.: 6

I-PEX



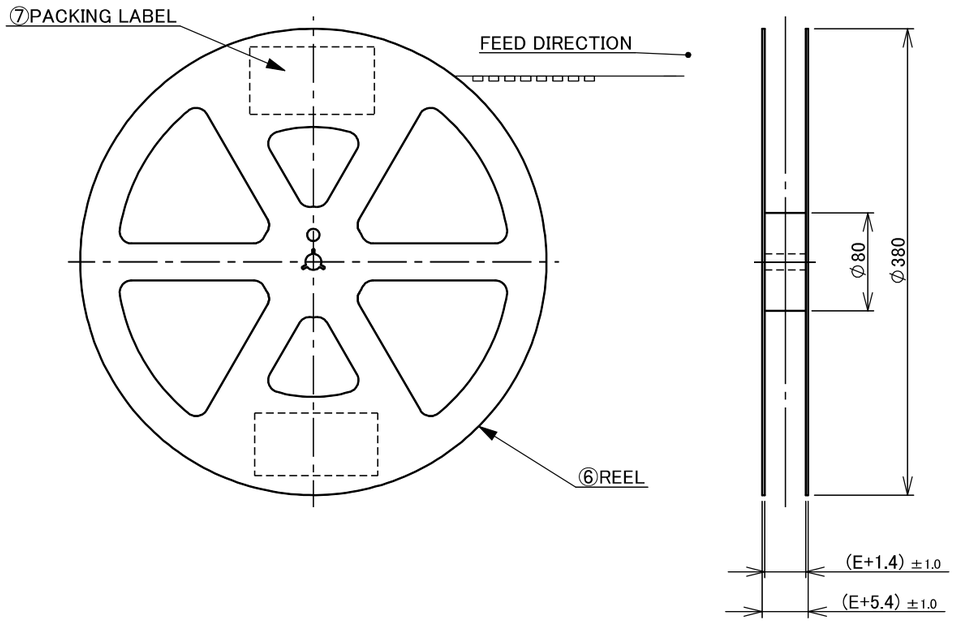
CONNECTOR ON RECOMMENDED FOOTPRINT PATTERN LAYOUT

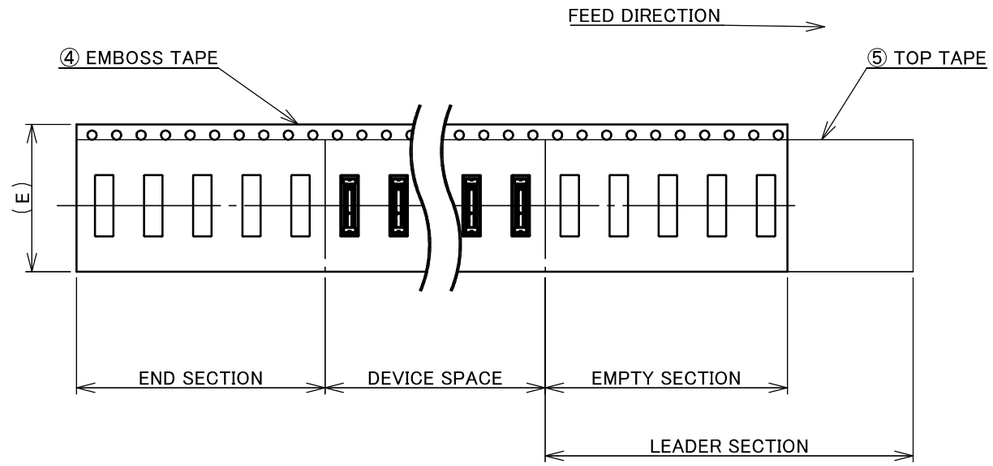


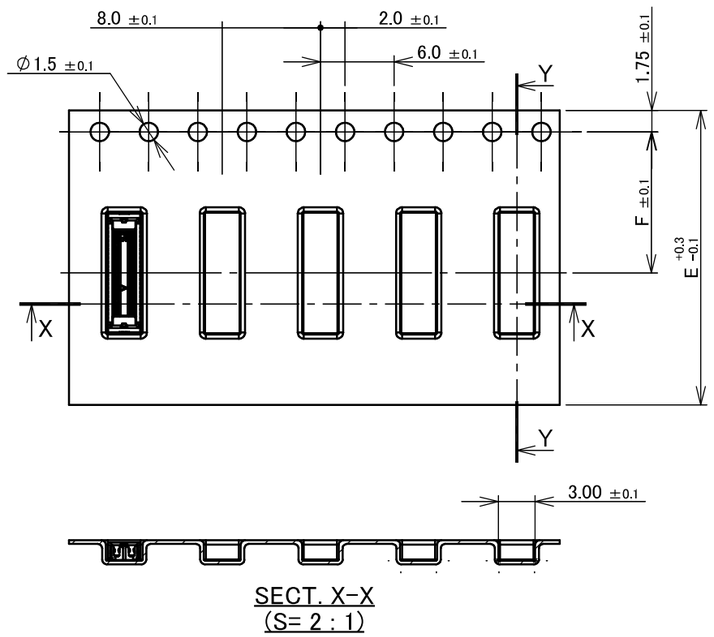
REFLOW TEMPERATURE PROFILE
SENJU METAL INDUSTRY CO., LTD. : M705-SHF(Sn96.5 Ag3.0 Cu0.5)

ANGLE ±2°	6 OVER 30 MAX. ±0.3	PROJECTION	SERIES No.	CUSTOMER COPY	
6 MAX. ±0.2	30 OVER 120 MAX. ±0.5		R1		
GENERAL TOLERANCE.		TITLE		SCALE	
DWG. DATE		NOVASTACK® 35-PH RECEPTACLE ASSEMBLY		10:1	I-PEX
CHK.				UNIT mm	
APP.		DWG. No. 20843		SIZE A3	SHEET 4/5 REV. 6

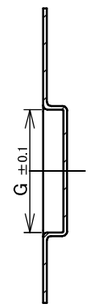
PART NO.	Pos.	E	F	G	QTY. PER EMBOSS REEL (PIECES / REEL)	QTY. PER PACKING CARTON
20843-0**E-21	10P	12.0	5.5	4.75	5,000 / REEL	5,000 × 9 = 45,000
	30P	16.0	7.5	8.25		5,000 × 7 = 35,000
	40P	24.0	11.5	10.00		5,000 × 5 = 25,000
	50P			11.75		







SECT. X-X
(S= 2 : 1)



SECT. Y-Y
(S= 2 : 1)

NOTES.
2. TAPING SPECIFICATION FOLLOWS JIS C 0806 (IEC 60286-3).
3. MAKE EMPTY SECTION OF LEADER AND END ON EACH END OF THE TAPE.
4. TOP TAPE SHALL NOT STICK OUT FROM EMBOSS TAPE.
5. TOP TAPE SHALL NOT COVER FEED HOLE.

NO.	DESCRIPTION	MATERIAL	FINISH , REMARKS
7	PACKING LABEL	–	–
6	REEL	PS	ANTI-STATIC TYPE BLACK
5	TOP TAPE	PET t=0.062 TRANSPARENCY	ANTI-STATIC TYPE
4	EMBOSS TAPE	PS TRANSPARENCY	ANTI-STATIC TYPE

ANGLE	±2°	6 OVER 30 MAX.	±0.3	PROJECTION	SERIES No.	CUSTOMER COPY	
6 MAX.	±0.2	30 OVER 120 MAX.	±0.5		R1		
GENERAL TOLERANCE.				TITLE		SCALE	
DWG.		DATE		NOVASTACK® 35-PH RECEPTACLE ASSEMBLY		X:1	I-PEX
CHK.						UNIT mm	
APP.				DWG. No. 20843		SIZE A3	SHEET 5/5 REV. 6