

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

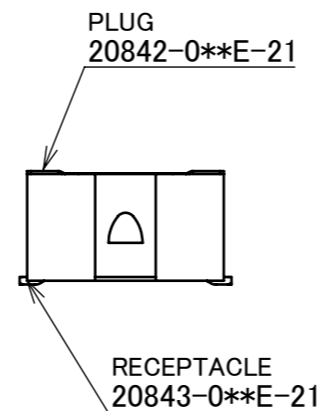
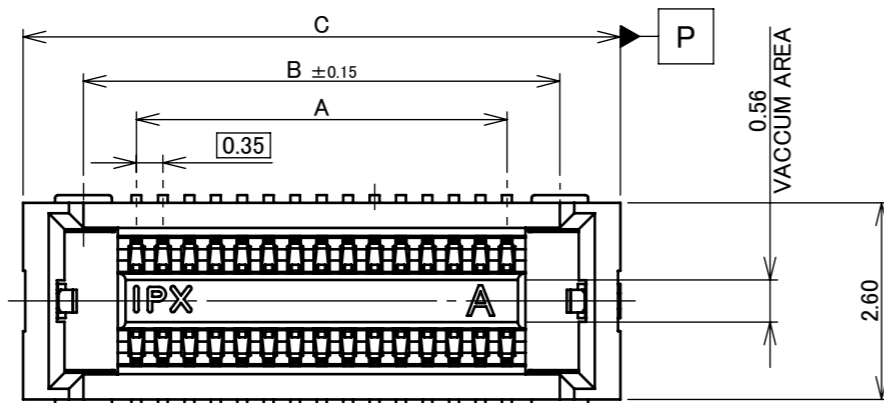
PART No.	Pos	A	B	C
20843-010E-21	10	1.40	2.80	4.40
20843-030E-21	30	4.90	6.30	7.90
20843-040E-21	40	6.65	8.05	9.65
20843-050E-21	50	8.40	9.80	11.40



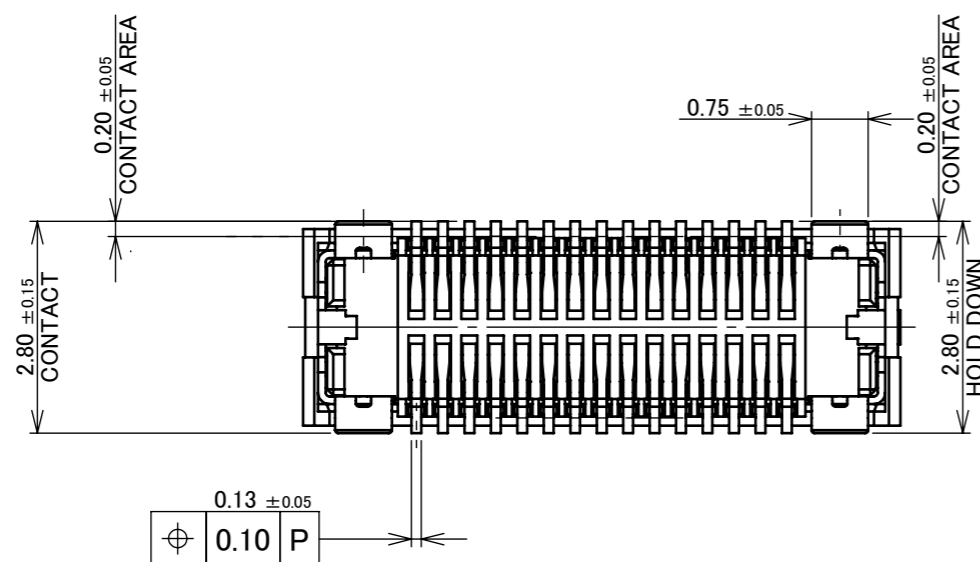
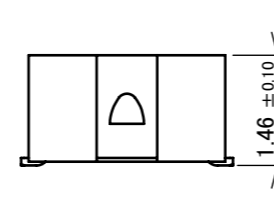
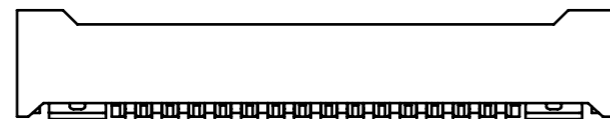
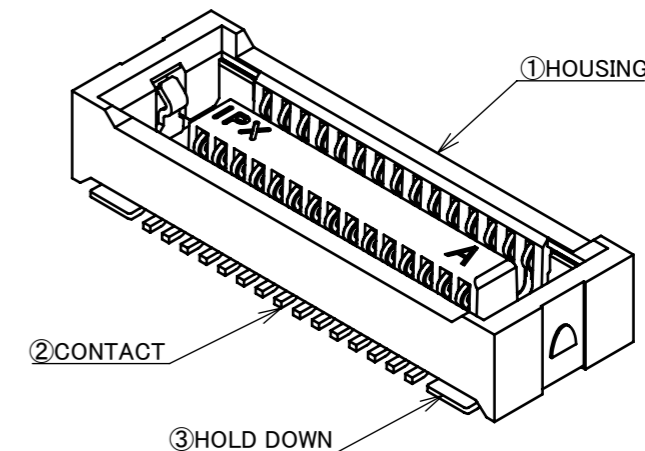
Halogen Free



RoHS Compliant



MATING CONDITION

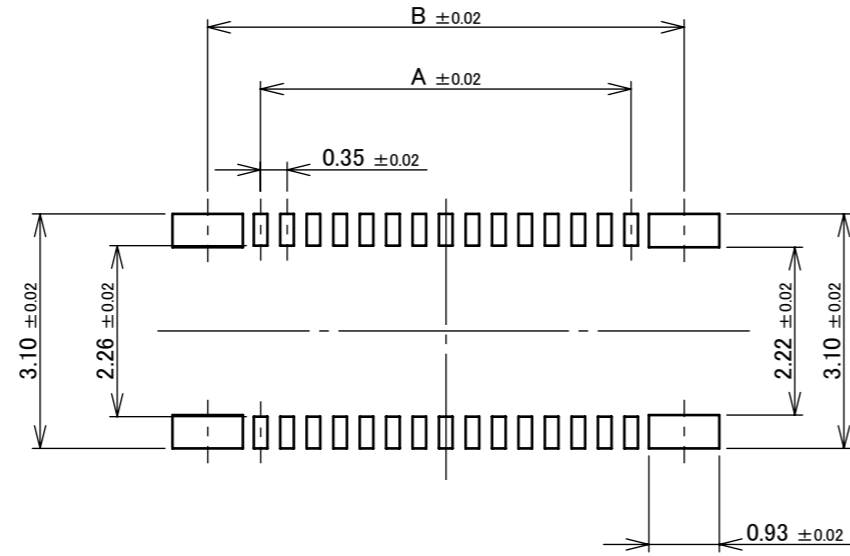


3	HOLD DOWN	CORSON ALLOY	ALL OVER Ni 1.27 μm MIN. CONTACT PART Au 0.10 μm MIN. SOLDERING PART Au 0.01 μm MIN.	
2	CONTACT	CORSON ALLOY	ALL OVER Ni 1.27 μm MIN. CONTACT PART Au 0.10 μm MIN. SOLDERING PART Au 0.01 μm MIN.	
1	HOUSING	LCP	UL94V-0, BLACK	
NO.	DESCRIPTION	MATERIAL	FINISH, REMARKS	
5	Z241412 R.TA	2024/10/10 S.S	ANGLE ±2° 6 OVER 30 MAX. ±0.3	
4	Z220202 TSU	2022/02/25 Y.H	6 MAX. ±0.2 30 OVER 120 MAX. ±0.5	
3	Z190998 KAG	Jul./29/'19 Y.S	GENERAL TOLERANCE.	
2	Z190298 R.S	Mar./01/'19 TAK	DWG. DATE	
1	Z181014 R.H	Aug./01/'18 TAK	T.Fukushima 2018/03/23	
0	Z180373 T.F	Mar./23/'18	CHK. S.Hamada	
REV.	ECN	BY	DATE	APP. T.Hirakawa
REVISION RECORD				
PROJECTION		SERIES No. R1	CUSTOMER COPY	
TITLE NOVASTACK® 35-PH RECEPTACLE ASSEMBLY			SCALE 10:1	
DWG. No. 20843			UNIT mm	
SIZE A3			SHEET 1/5	
REV. 5				

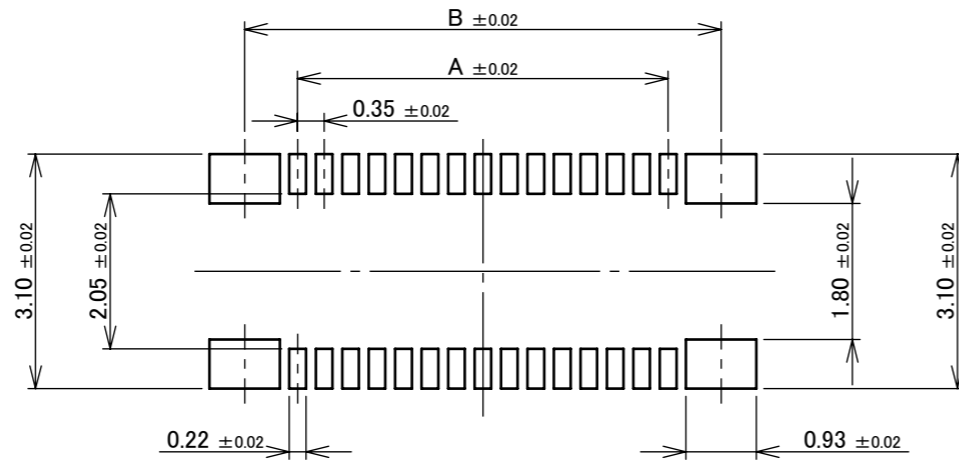
ITEMS	SPECIFICATION
APPLICABLE CONNECTOR PART No.	20842-0**E-21
RATING VOLTAGE	50V AC (r.m.s)/DC (PER CONTACT PIN)
RATING AMPERAGE (FOR SIGNAL CONTACT)	0.3A MAX. AC/DC (PER CONTACT PIN) 40P AND OVER : 12.0A AC/DC MAX.(TOTAL)
RATING AMPERAGE (FOR POWER CONTACT)	3.0A MAX. AC/DC (PER CONTACT PIN)/ 6.0A MAX. AC/DC (TOTAL)
OPERATING TEMPERATURE	233~358K(-40°C~+85°C)
OPERATING HUMIDITY	85% MAX.(NON-CONDENSING)
CONTACT RESISTANCE (FOR SIGNAL CONTACT)	INITIAL : 80mohm MAX. / AFTER TEST : \triangleleft 20mohm MAX.
CONTACT RESISTANCE (FOR POWER CONTACT)	INITIAL : 80mohm MAX. / AFTER TEST : \triangleleft 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	$\pm 2^\circ$	6 OVER 30 MAX.	± 0.3	PROJECTION 	SERIES No. R1	CUSTOMER COPY		
6 MAX.	± 0.2	30 OVER 120 MAX.	± 0.5			TITLE NOVASTACK® 35-PH RECEPTACLE ASSEMBLY	SCALE	I-PEX
GENERAL TOLERANCE.				DWG. No. 20843	UNIT		SIZE	
DWG.	DATE				mm	A3	2/5	5
CHK.								
APP.								

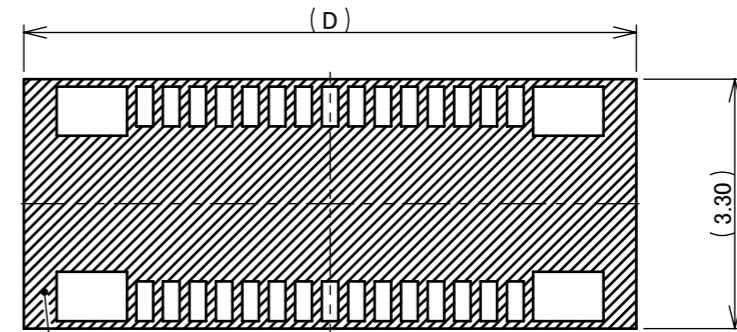
PART No.	Pos	A	B	D
20843-010E-21	10	1.40	2.80	4.60
20843-030E-21	30	4.90	6.30	8.10
20843-040E-21	40	6.65	8.05	9.85
20843-050E-21	50	8.40	9.80	11.60



RECOMMENDED METAL MASK LAYOUT (t=0.12)

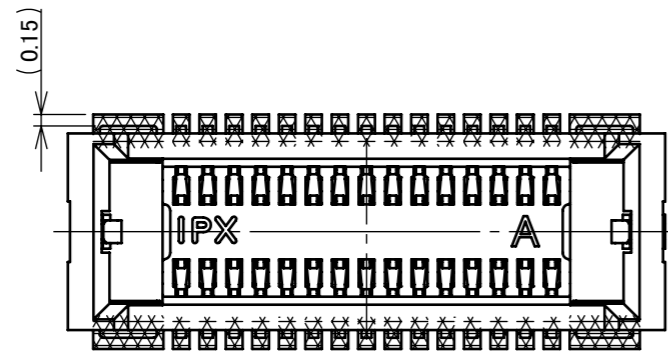


RECOMMENDED PAD LAYOUT

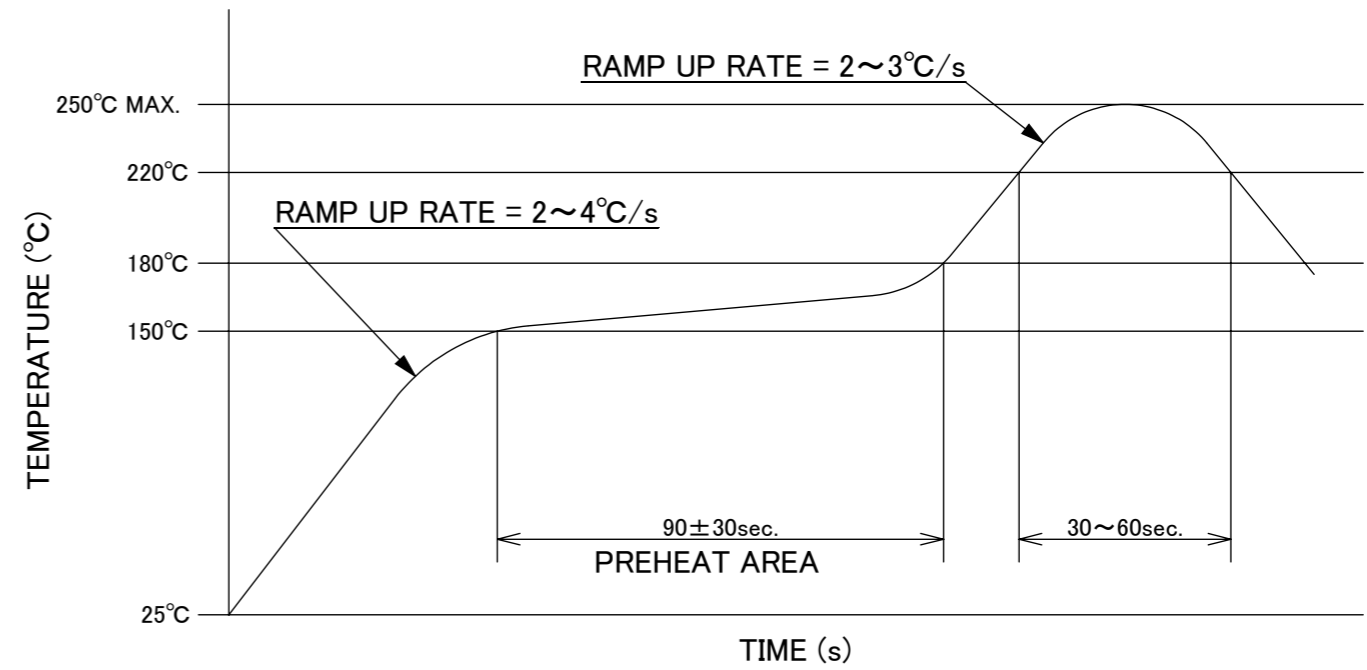


DO NOT MOUNT ANY OTHER COMPONENTS IN THIS AREA.

ANGLE	±2°	6 OVER 30 MAX.	±0.3	PROJECTION ⊕	SERIES No. R1	CUSTOMER COPY		
6 MAX.	±0.2	30 OVER 120 MAX.	±0.5					
GENERAL TOLERANCE.				TITLE NOVASTACK® 35-PH RECEPTACLE ASSEMBLY	SCALE 10:1	UNIT I-PEX		
DWG.	DATE							
CHK.								
APP.								
				DWG. No.	20843	SIZE A3	SHEET 3/5	REV. 5



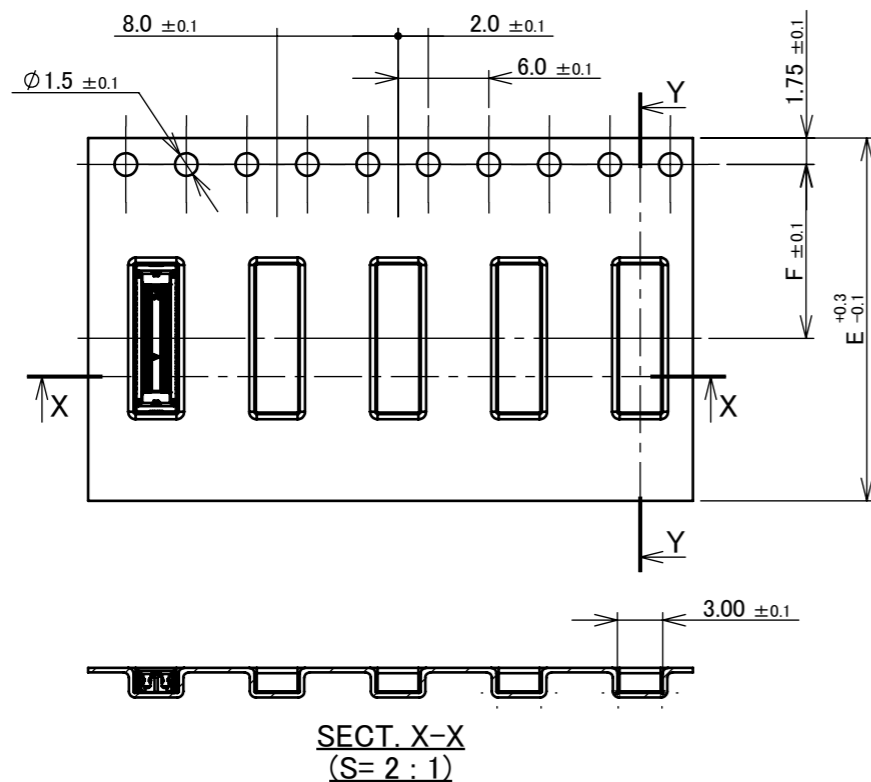
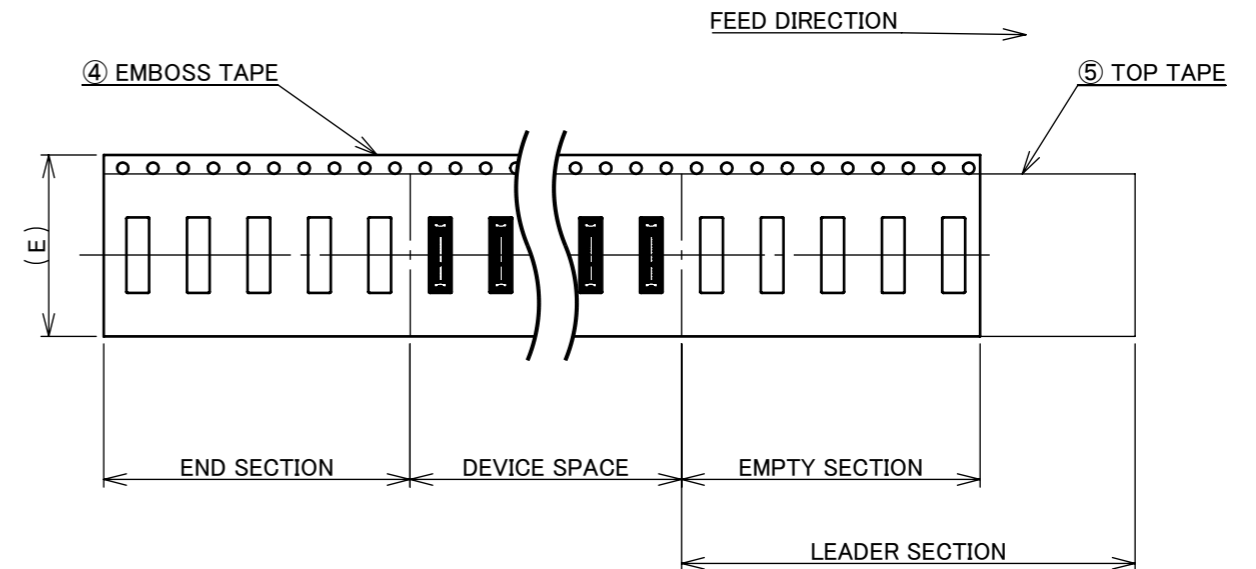
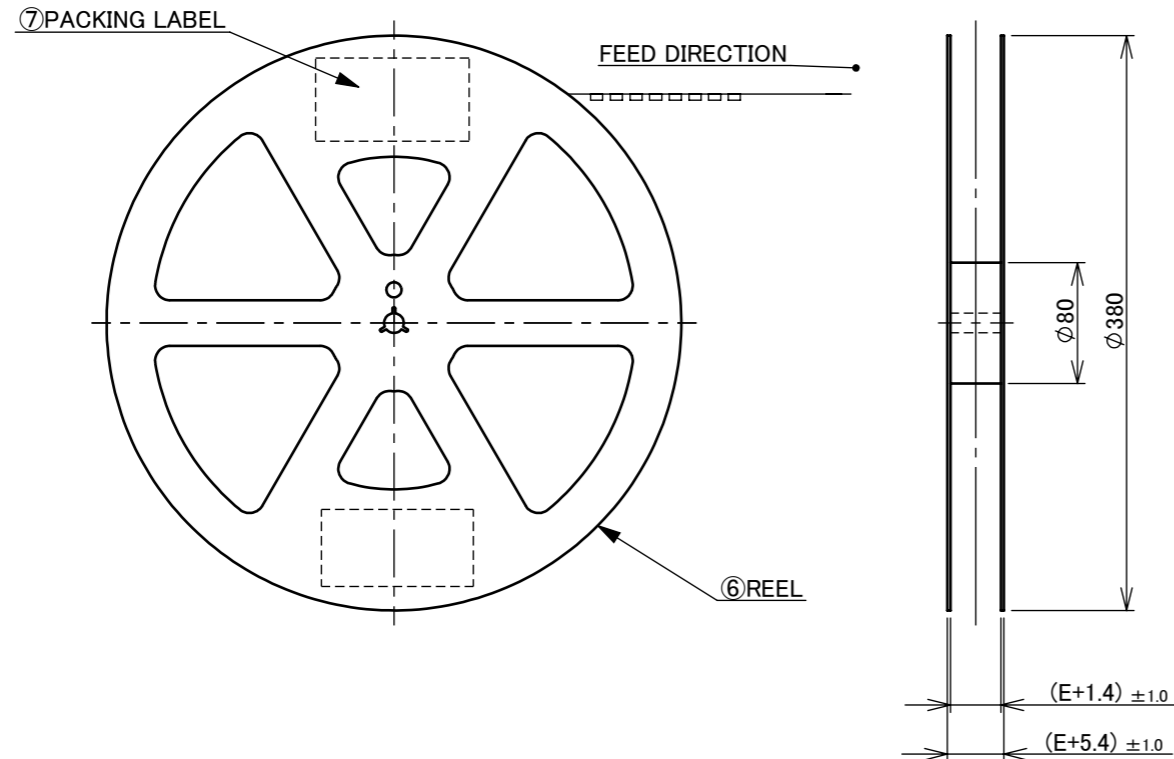
CONNECTOR ON RECOMMENDED FOOTPRINT PATTERN LAYOUT



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

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		



- NOTES.
- TAPING SPECIFICATION FOLLOWS JIS C 0806 (IEC 60286-3).
 - MAKE EMPTY SECTION OF LEADER AND END ON EACH END OF THE TAPE.
 - TOP TAPE SHALL NOT STICK OUT FROM EMBOSS TAPE.
 - 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. R1	CUSTOMER COPY
6 MAX.	±0.2	30 OVER 120 MAX.	±0.5			
GENERAL TOLERANCE.				TITLE		SCALE 1:X UNIT mm SIZE A3
DWG.	DATE	NOVASTACK® 35-PH RECEPTACLE ASSEMBLY		SHEET		
CHK.				5/5		
APP.		DWG. No.	20843	REV.	5	