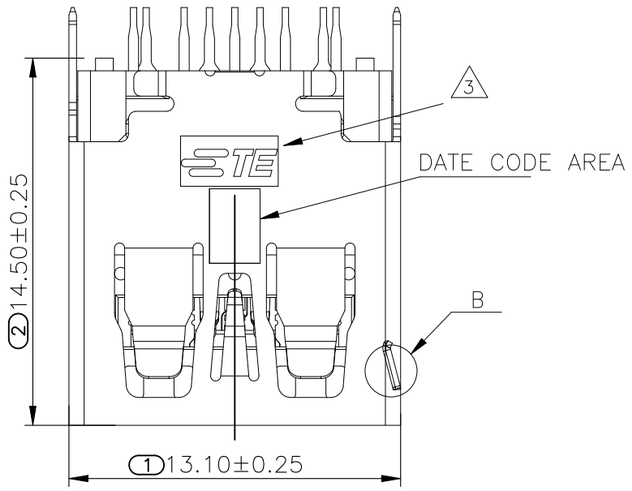
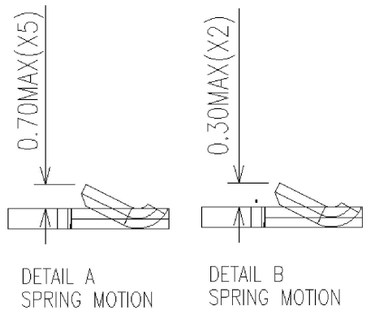
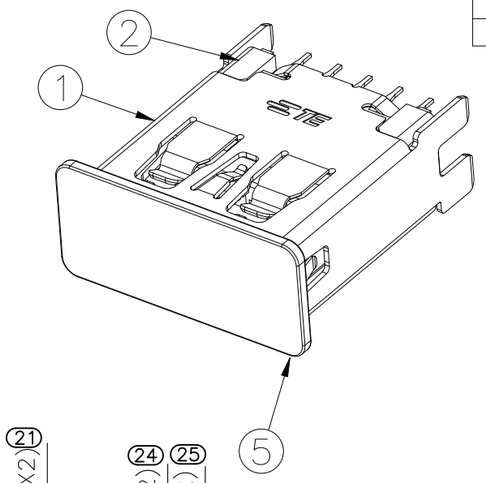
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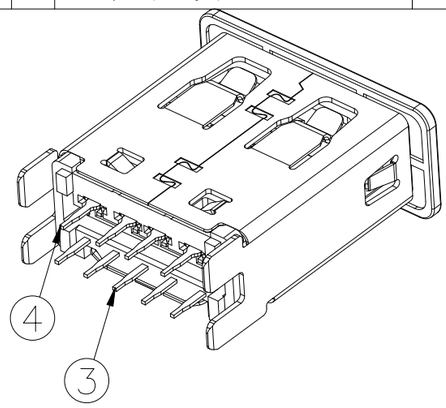
REVISIONS

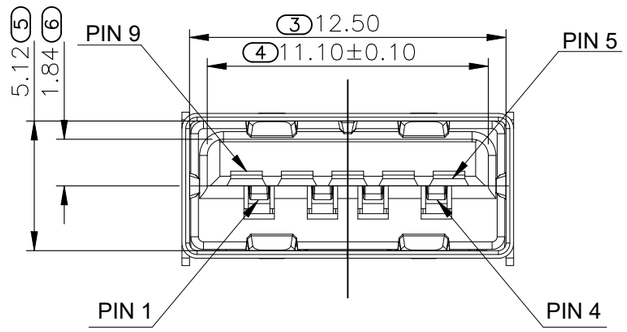
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	A4	Production release, ECN-23-223404	21 JULY 23	GVA	DS
	A3	Packing reel dimension update	07 july 23	GVA	DS
	A2	PCB layout, packing updates	14-JUN-23	GVA	DS

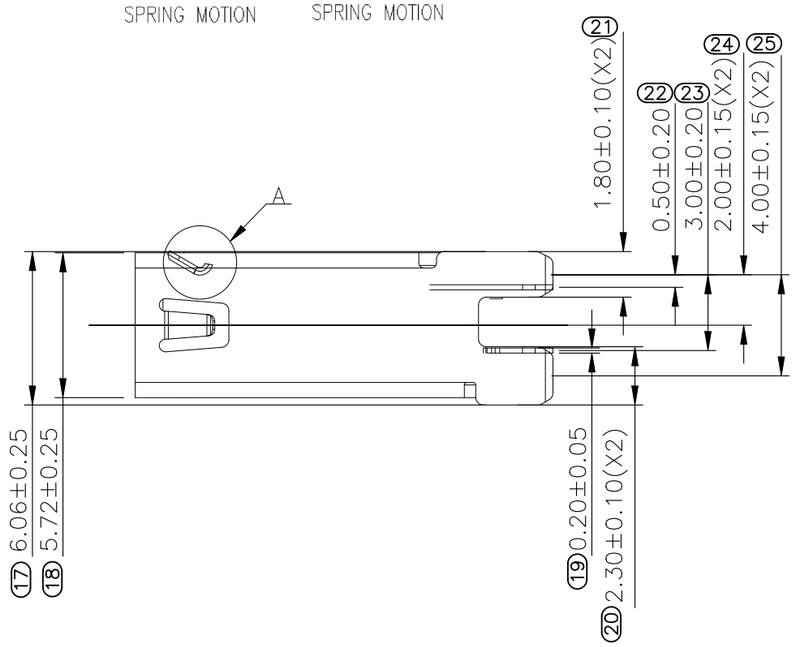


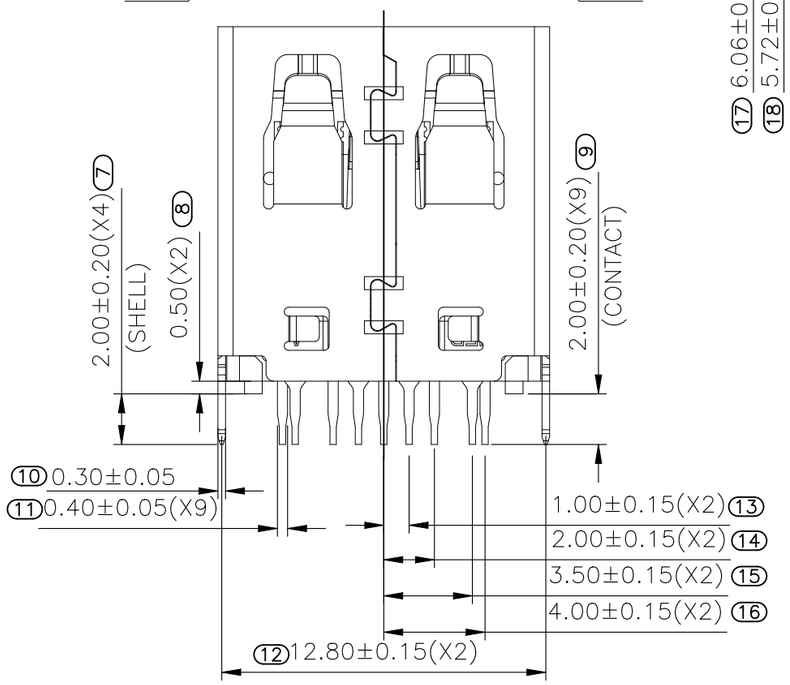












5	CAP	1	LCP,THERMOPLASTIC/UL 94V-0 RATED
4	SPRING CONTACT	4	COPPER ALLOY / Au PLATED
3	FLAT CONTACT	5	COPPER ALLOY / Au PLATED
2	HOUSING	1	PA9T,THERMOPLASTIC/UL 94V-0 RATED
1	SHELL	1	METAL / Ni PLATED
ITEM	NAME	Q'TY	MATERIAL / FINISH

S/N	TE PN	DESCRIPTION	HOUSING COLOR	SHIELD TYPE	CONTACT PLATING (Au)
1	2438987-1	USB 3.1 A TYPE REC.VT	BLACK	STRAIGHT LEG	GF
2	2438987-2	USB 3.1 A TYPE REC.VT	BLACK	STRAIGHT LEG	15u"
3	2438987-3	USB 3.1 A TYPE REC.VT	BLACK	STRAIGHT LEG	30u"

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DIMENSIONS: mm

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ± 0.38
1 PLC ± 0.30
2 PLC ± 0.20
3 PLC ± 0.10
4 PLC ± –
ANGLES ± 3

MATERIAL –
FINISH –

DWN GVA 17_MAY-2023
CHK DS 18-MAY-2023
APVD WH 19-MAY-2023
PRODUCT SPEC 108-160961
APPLICATION SPEC –
WEIGHT 0

TE Connectivity Ltd.

NAME
VERT USB 3.2, TYP A(Shield leg solder)
–
–

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A2	00779	C-2438987	–

CUSTOMER DRAWING | SCALE NTS | SHEET 1 OF 3 | REV A4

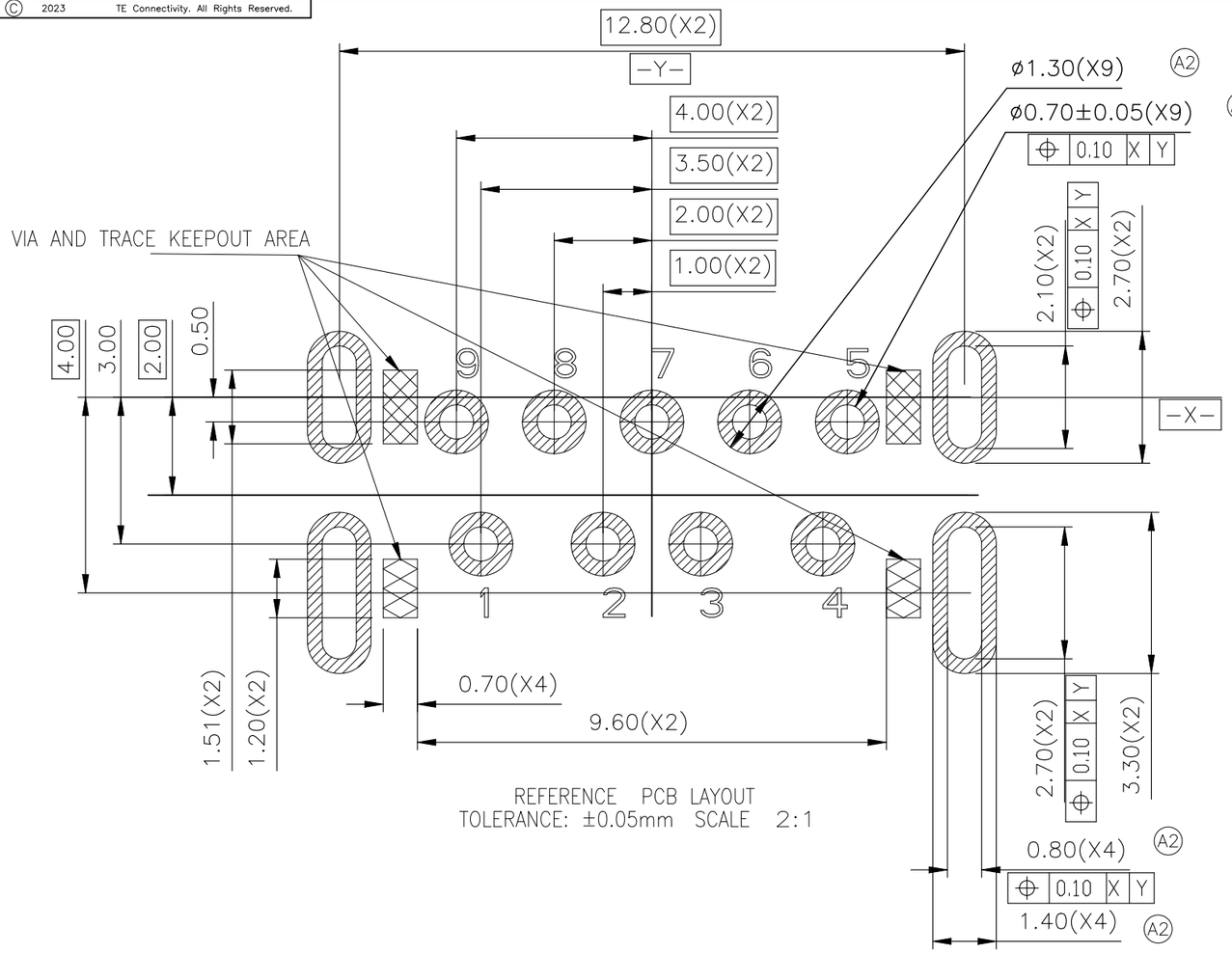
2438987

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REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
	–	SEE SHEET 1	–	–	–



REFERENCE PCB LAYOUT
TOLERANCE: ±0.05mm SCALE 2:1

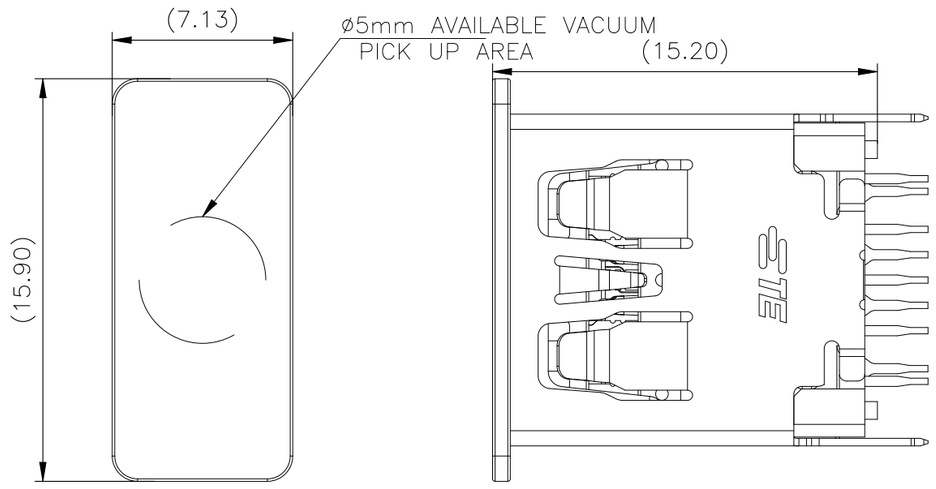
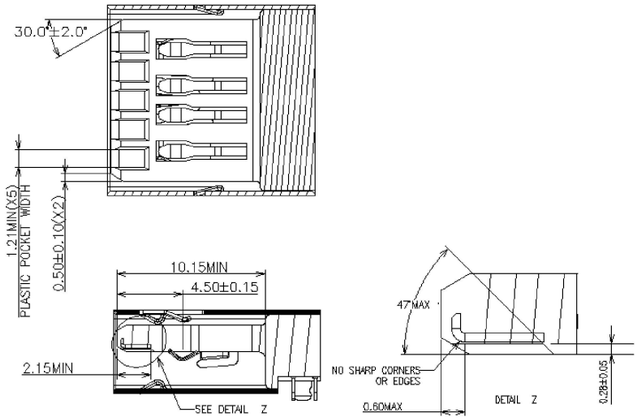


TABLE A: PIN ASSIGNMENT									
PIN NO	1	2	3	4	5	6	7	8	9
SIGNAL NAME	VBUS	D–	D+	GND	STDA_SSRX–	STDA_SSRX+	GND	STDA_SSTX–	STDA_SSTX+
REMARK	USB 2.0 CONTACT PIN				USB 3.0 CONTACT PIN				

NOTES:
A2 1. MATERIAL:
1.1 HOUSING PA9T UL94 V–0 RATED;COLOR BLACK
1.2 COVER: LCP UL94 V–0 RATED;COLOR BLACK
1.3 CONTACT: BRASS&PHOS BRONZE
1.4 SHELL: STAINLESS STEEL SHIELD TYPE STRAIGHT LEG
FINISH
2.1 CONTACT:
GOLD PLATING(SEE TABLE) ON CONTACT AREA.
2.54um [100u"] MIN. MATTE–TIN PALTING ON SOLDER TAIL AREA.
1.27um [50u"] MIN. NICKEL UNDERPLATING OVERALL.
2.2 SHELL: 1.27um [50u"] MIN. NICKEL PLATING.
3. RECOMMENDED P.C.B THICKNESS : 1.2

Universal Serial Usb3.1 Specification



NOTES:
1.0. ELECTRICAL CHARACTERISTIC:
1.1. LOW LEVEL CONTACT RESISTANCE: INITIAL: 30 mΩMAXIMUM
FOR POWER AND GROUND CONTACTS.
INITIAL: 50 m Ω MAXIMUM
AFTER: 10 mΩ MAXIMUM CHANGE.
FOR ALL OTHER CONTACTS.
1.2. DIELECTIC WITHSTANDING VOLTAGE: 100 VAC FOR ONE MINUTE AT SEA LEVEL.
1.3. INSULATION RESISTANCE: 100 MΩ MINIMUM.
2.0. MECHANICAL CHARACTERISTIC:
2.1. INSERTION FORCE: 35N (3.57 Kg) MAXIMUM.
2.2. EXTRACTION FORCE: INITIAL:10N (1.02Kg)MINIMUM.
AFTER:8N (0.816Kg)MINIMUM.
3 TE LOGO MUST BE CLEAR&LEGIBLE

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1 PLC ± 0.30
2 PLC ± 0.20
3 PLC ± 0.10
4 PLC ± –
ANGLES ± 3

MATERIAL –
FINISH –

DWN GVA 17–MAY–2023
CHK DS 18–MAY–2023
APVD WH 19–MAY–2023
PRODUCT SPEC 108–160961
APPLICATION SPEC –
WEIGHT 0

TE Connectivity Ltd.
NAME VERT USB 3.2, TYP A(Shield leg solder)
– –
SIZE A2 | CAGE CODE 00779 | DRAWING NO C-2438987 | RESTRICTED TO –
CUSTOMER DRAWING | SCALE NTS | SHEET 2 OF 3 | REV A4

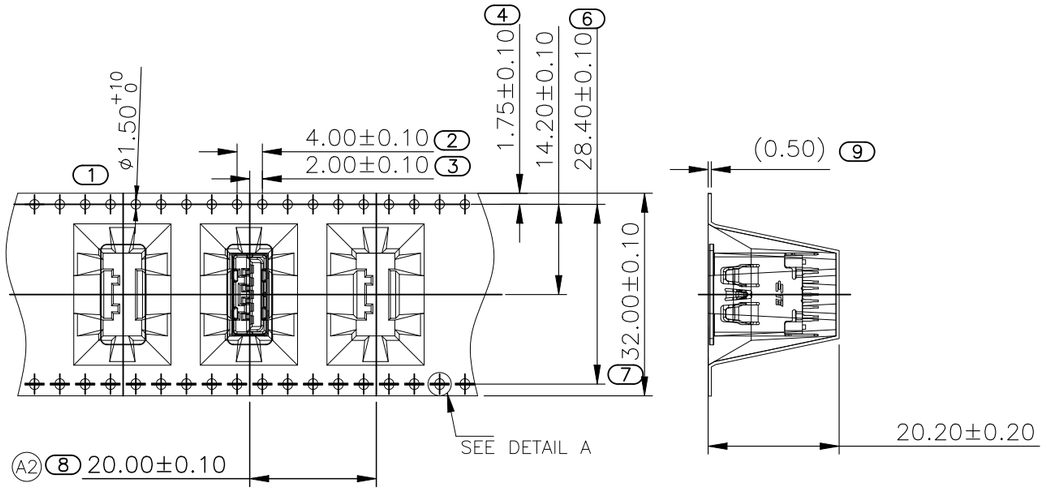
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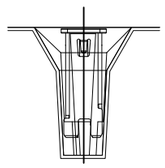
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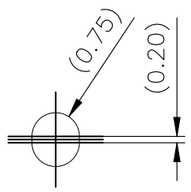
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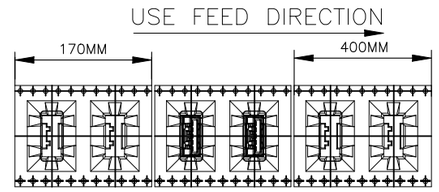
REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
	–	SEE SHEET 1	–	–	–

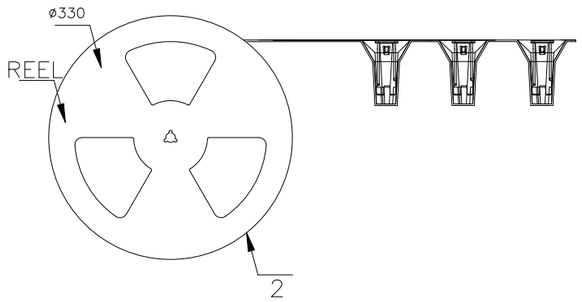


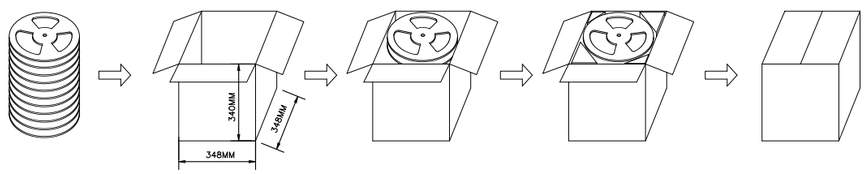




DETAIL A







PACKAGING PROCESS

NOTES :
1. PACKAGING MATERIAL IN PLASTIC, RUBBER, INK, PIGMENT AND PAINT MUST MEET CONTROLLED SUBSTANCES SPEC PER 230–702.
   * CADMIUM AND CADMIUM COMPOUNDS NOT TO EXCEED: 5 PPM.
   * LEAD, CADMIUM, CHROM VI AND MERCURY NOT TO EXCEED: 100 PPM (COMBINED).
   * CARRIER TAPES, COVER TAPES, REELS AND TAPED COMPONENTS MUST MEET THE REQUIREMENTS DEFINED PER EIA–481–C.
2. MATERIAL :
   COVER TAPE : PET, COLOR: TRANSPARENT
   CARRIER TAPE : SYNTHETIC MATERIALS, COLOR: BLACK
   REEL :PS BLUE
   SHIPPING BOX: CORRUGATED FIBER

A2

5.60KG	2.26KG	150	8	1200	2438987–1
5.60KG	2.26KG	150	8	1200	2438987–2
5.60KG	2.26KG	150	8	1200	2438987–3
GROSS WEIGHT	NET WEIGHT	PCS/ REEL	REEL/ BOX	PCS/ BOX	PART NUMBER

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FINISH –

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