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LOC  
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DIST

REVISIONS

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PART NUMBER: 2199172-2

P	LTR	DESCRIPTION	DATE	DWN	APVD
	B2	REVISED ECN-21-119790	29SEP2021	J. J	N. S

Top view of the connector showing dimensions and a pick & place area. Key dimensions include:
 

- ①  $5.00 \pm 0.10$  (Overall width)
- ②  $3.20 \pm 0.10$  (Pitch between pins)
- ③  $2.20$  (Distance from center to pin center)
- $\varnothing 2.00$  REF PICK & PLACE AREA (Circular area around the center)

RECOMMEND PWB LAYOUT

Dimensions for PWB layout:
 

- $1.60 \pm 0.02$  PITCH
- $5.20 \pm 0.02$  (Overall width)
- $3.30 \pm 0.02$  (Distance from center to pin center)
- $0.60 \pm 0.02$  (Pin diameter)

RECOMMEND MATING LAYOUT

Dimensions for mating layout:
 

- $1.60 \pm 0.02$  PITCH
- $5.64 \pm 0.02$  (Overall width)
- $2.06 \pm 0.02$  (Distance from center to pin center)
- $1.42 \pm 0.02$  (Pin diameter)

Cross-sectional view of the connector with dimensions:
 

- ④  $1.60 \pm 0.10$  PITCH
- ⑤  $0.80 \pm 0.10$  (Pin diameter)
- ⑥  $0.50 \pm 0.05$  4 PLC
- ⑦  $0.95 \pm 0.03$  (Pin length)
- ⑧  $1.60 \pm 0.10$  (Pin diameter)
- ⑨  $0.40 \pm 0.02$  4 PLC

NORMAL FORCE CURVE

Normal force curve graph showing Force (N) vs. Distance (mm). The curve shows a linear relationship between force and distance, with a slope of approximately 1.0 N/mm. Key points on the curve are:
 

- 0.29 N at 0.3 mm
- 0.52 N at 0.5 mm
- 0.70 N at 0.7 mm

Detailed cross-sectional view of the connector with dimensions and working height specifications:
 

- ⑩  $1.90$  (Pin length)
- ⑪  $1.20 \pm 0.05$  (Pin diameter)
- ⑫  $3.00 \pm 0.10$  (Pin length)
- ⑬  $4.00 \pm 0.15$  (Pin length)
- ⑭  $4.80 \pm 0.15$  (Pin length)
- ⑮  $3.60 \pm 0.15$  (Pin length)
- ⑯  $0.02$  (Pin diameter)
- ⑰  $0.08$  BEFORE REFLOW
- ⑱  $0.08$  AFTER REFLOW
- ⑲  $0.10 \pm 0.02$  (Pin diameter)
- ⑳  $0.05$  REF (Pin diameter)

 Working height specifications:
 

- 4.4 REF AT MIN. WORKING HEIGHT
- 4.2 REF AT NOR. WORKING HEIGHT
- 4.0 REF AT MAX. WORKING HEIGHT
- 1.60 WORKING MAX.
- 1.40 WORKING NORMAL
- 1.20 WORKING MIN.

NOTES:

① MATERIAL  
TERMINAL: COPPER ALLOY, THICKNESS 0.10mm.  
HOUSING: HIGH TEMPERATURE THERMO PLASTIC  
UL94V-0 BLACK

② FINISH  
TERMINAL: 0.1~0.2  $\mu$ m GOLD PLATING ON CONTACT AREA,  
1.27 MIN. NICKLE UNDER PLATING,  
0.025~0.075  $\mu$ m GOLD PLATING ON SOLDERING AREA

③ COPLANARITY: BEFORE REFLOW 0.08 MAX.; AFTER REFLOW 0.1 MAX.

④ PACKAGING: TAPE & REEL.  
DATE CODE: "YWWDS"  
YWW = PRODUCTION DATE (YEAR, WEEK, DAY).  
S = SHIFT (D=DYA, N=NIGHT)

⑤ CONTACT CAN NOT TOUCH PCB & TAIL WHEN PRESS TO HOUSING SURFACE.  
CONTACT CAN NOT EXCEED HOUSING EDGE WHEN PRESS TO HOUSING SURFACE.  
\* MEANS KEY DIMENSIONS FOR CUSTOMER

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DIMENSIONS:	TOLERANCES UNLESS OTHERWISE SPECIFIED:
mm	$\pm 0.15$
	0 PLC $\pm$
	1 PLC $\pm$
	2 PLC $\pm$
	3 PLC $\pm$
	4 PLC $\pm$
	ANGLES $\pm 3^\circ$
MATERIAL	FINISH

DWN	13NOV2013
RAY WANG	
CHK	13NOV2013
WENKE HE	
APVD	13NOV2013
WENKE HE	
PRODUCT SPEC	-
APPLICATION SPEC	-
WEIGHT	-
CUSTOMER DRAWING	

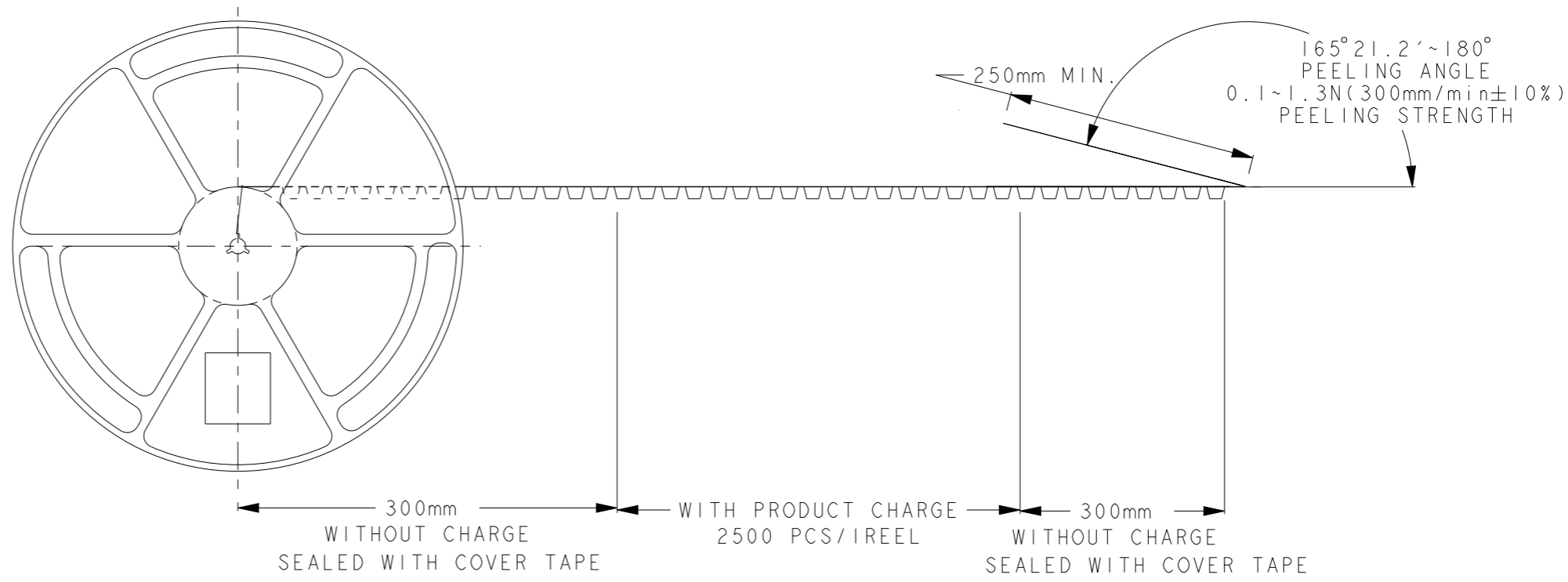
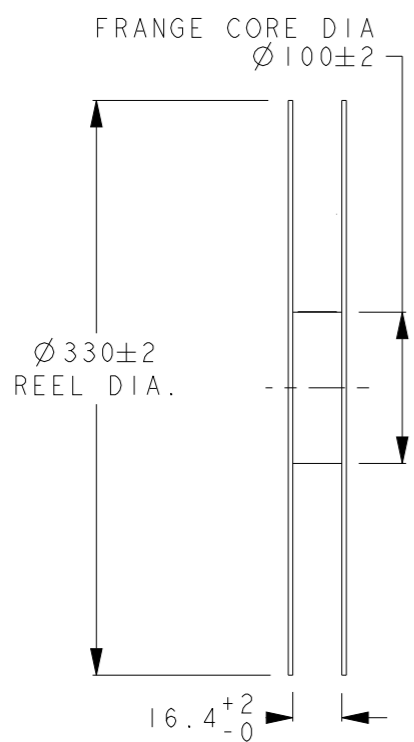
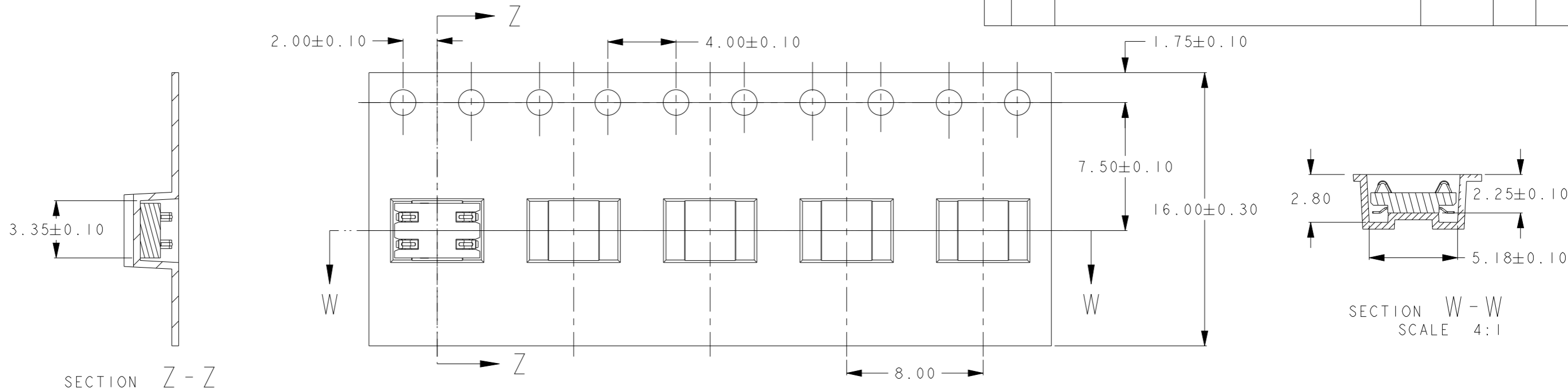
TE Connectivity

ONE PIECE BtoB CONNECTOR  
4 PINS, 1.6MM PITCH, HI. 4, TWO ROWS

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A300779		C-2199172	
SCALE	20:1	SHEET	1 OF 2
REV	B2		


1470-19 (3/11)

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PART NUMBER: 2199172-2

NOTES:  
 1. MATERIAL: P.S CLEAR, 0.4MM THICKNESS  
 2. QUANTITY PER REEL: 2500 PIECES

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN	RAY WANG	13NOV2013	 TE Connectivity
DIMENSIONS: mm		CHK	WENKE HE	13NOV2013	
TOLERANCES UNLESS OTHERWISE SPECIFIED: ±		APVD	WENKE HE	13NOV2013	
0 PLC ± 1 PLC ± 2 PLC ± 3 PLC ± 4 PLC ± ANGLES ±3° FINISH 2		PRODUCT SPEC	-	NAME	
MATERIAL	1	APPLICATION SPEC	-	SIZE	A300779
		WEIGHT	-	CAGE CODE	C-2199172
		CUSTOMER DRAWING	SCALE 20:1		SHEET 2 OF 2
					REV B2

单击下面可查看定价，库存，交付和生命周期等信息

[>>TE Connectivity\(泰科\)](#)