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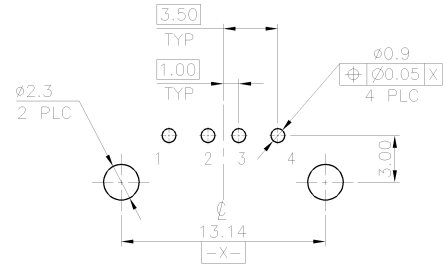
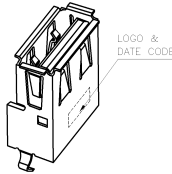
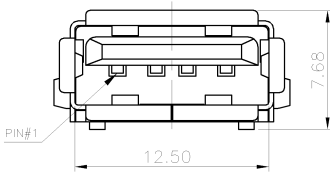
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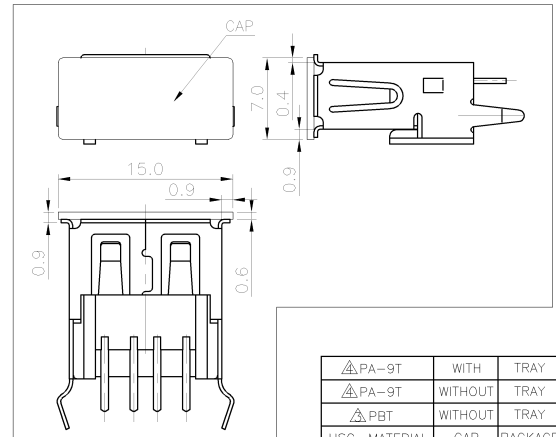
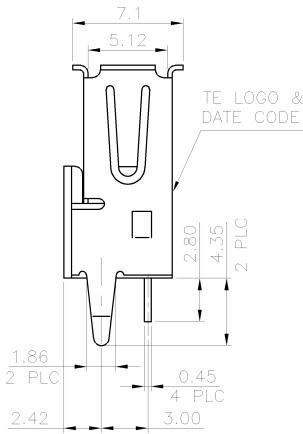
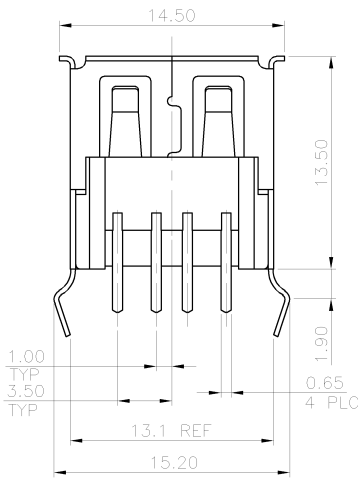
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LOC	DIST	REVISIONS			
P	LTR	DESCRIPTION	DATE	DWN	APVD
C1		REVISED. (ECR-10-009182)	22APR10	SC	WK



RECOMMEND P.C.B LAYOUT (THICKNESS=1.6mm)
 (COMPONENT SIDE) TOLERANCE±0.05



- NOTES:
- MATERIAL:
 HOUSING: THERMOPLASTIC (SEE TABLE), WITH 30% GF.
 UL 94V-0 RATED; BLACK COLOR.
 CAP: THERMOPLASTIC HIGH TEMP WITH 30%GF, UL 94V-0, WHITE COLOR.
 CONTACT: PHOSPHOR BRONZE.
 SHIELD: BRASS.
 - FINISH :
 CONTACT: 0.762μm [30μ"] MIN. GOLD PLATING ON CONTACT AREA.
 3.048μm [120μ"] MIN. MATTE-TIN PLATING ON SOLDERTAILS.
 WITH ENTIRE CONTACT UNDERPLATED 1.27μm [50μ"] MIN. NICKEL.
 SHIELD: 0.762μm [30μ"] MIN. Cu UNDERPLATING OVERALL.
 0.762μm [30μ"] MIN. NICKEL PLATING WITH
 - WAVE SOLDER CAPABLE TO 240°C PER TE TEST SPEC. 109-202, CONDITION A.
 - REFLOW SOLDER CAPABLE TO 260°C PER TE TEST SPEC. 109-201, CONDITION B.
 - TID NUMBER IS 61000806 FOR USB 2.0 SPEC.

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS:	TOLERANCES UNLESS OTHERWISE SPECIFIED:	DWN O. HU 18MAR2005	Tyco Electronics Corporation	
MM	0 PLC ± -	CHK S. HOU 18MAR2005	Taimei, Taiwan	
	1 PLC ± 0.35	APVD W.J. KE 18MAR2005	NAME	
	2 PLC ± 0.25	PRODUCT SPEC	108-57549	
	3 PLC ± 0.15	APPLICATION SPEC	501-57638	
	4 PLC ± -	WEIGHT	1.70 GRAMS	
	ANGLES ± 3°	CUSTOMER DRAWING	A3 00779 C-1734085	
MATERIAL SEE NOTE	FINISH SEE NOTE	SIZE	CAGE CODE	DRAWING NO

RESTRICTED TO

SCALE 1 of 9 SHEET 1 of 9 REV C1

4

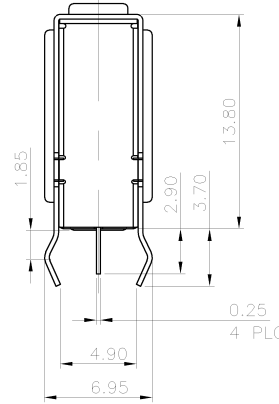
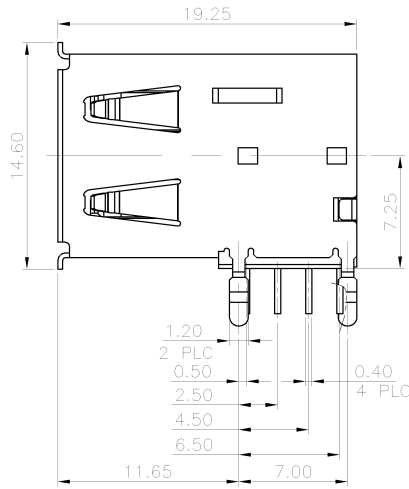
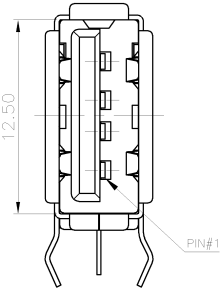
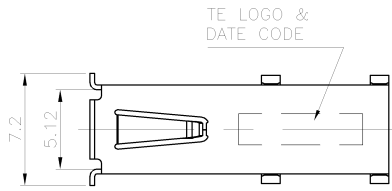
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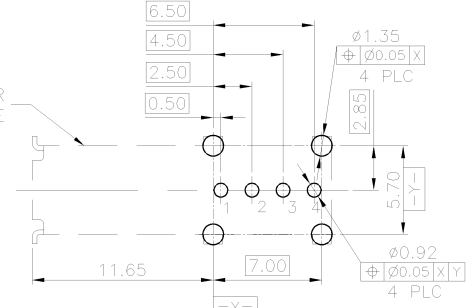
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LOC	DIST	REVISIONS			
P	LTR	DESCRIPTION	DATE	DWN	APVD
DW		SEE SHEET 1.			



CONNECTOR PROFILE



RECOMMEND P.C.B LAYOUT (THICKNESS 1.6mm)
 (COMPONENT SIDE) TOLERANCE ±0.05

- NOTES :
- MATERIAL:
 HOUSING: THERMOPLASTIC (SEE TABLE), WITH 30% GF.
 UL94V-0 RATED, BLACK COLOR
 CONTACTS: PHOSPHOR BRONZE.
 SHIELD: BRASS.
 REAR SHIELD: SPCC.
 - FINISH:
 CONTACT: 0.762µm [30µ"] MIN. GOLD PLATING ON CONTACT AREA
 3.048µm [120µ"] MIN. BRIGHT TIN PLATING ON SOLDERTAILS
 WITH ENTIRE CONTACT UNDERPLATED 1.27µm [50µ"] MIN. NICKEL
 SHIELD: 0.762µm [30µ"] MIN. NICKEL PLATING WITH
 0.762µm [30µ"] MIN. Cu UNDERPLATING OVERALL
 ⚠ WAVE SOLDER CAPABLE TO 240°C PER TE TEST
 SPEC. 109-202, CONDITION A.
 ⚠ REFLOW SOLDER CAPABLE TO 260°C PER TE TEST
 SPEC. 109-201, CONDITION B.
 5. TID NUMBER IS 61000806 FOR USB 2.0 SPEC.
 ⚠ LOW HALOGEN SPECIFICATION:
 CHLORINE(Cl): 900ppm MAX.
 BROMINE(Br): 900ppm MAX.

HTN	TRAY	1-1734085-3
PA-9T	TRAY	1-1734085-2
PBT	TRAY	1-1734085-1
HSG. MATERIAL	PACKAGE	PART NUMBER

DIMENSIONS:		TOLERANCES UNLESS OTHERWISE SPECIFIED:		OWN		Tyco Electronics		Tyco Electronics Corporation		
MM				CHK	APVD	NAME	Taipei, Taiwan			
0 PLC	±	-					USB CONNECTOR, A SERIES, VERTICAL, DIP TYPE			
1 PLC	±	0.35					SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
2 PLC	±	0.25					A3	00779	C-1734085	
3 PLC	±	0.15					WEIGHT	2.8 GRAMS		
4 PLC	±	-					CUSTOMER DRAWING	SCALE	SHEET	REV
ANGLES	±	3°							2 of 9	C1
MATERIAL	SEE NOTE	FINISH	SEE NOTE							

4

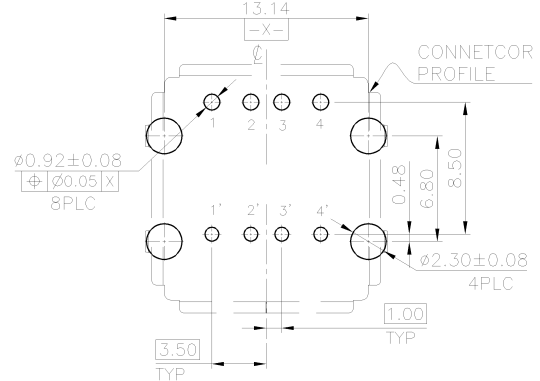
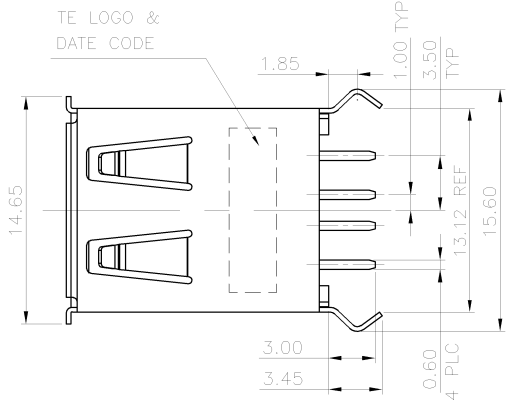
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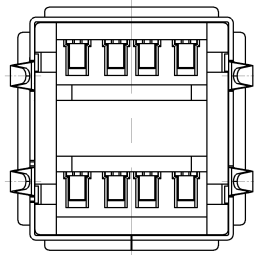
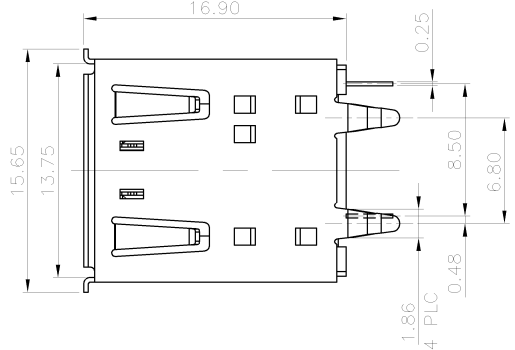
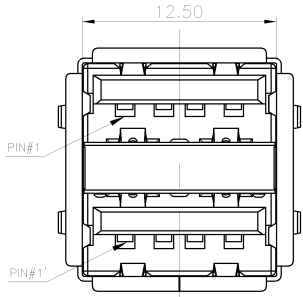
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LOC	DIST	REVISIONS			
P	LTR	DESCRIPTION	DATE	DWN	APVD
SEE SHEET 1.					



RECOMMEND P.C.B LAYOUT (THICKNESS 1.6mm)
 (COMPONENT SIDE) TOLERANCE±0.05mm



- NOTES:
- MATERIAL:
HOUSING: THERMOPLASTIC (SEE TABLE), WITH 30% GF.
UL 94V-0 RATED, BLACK COLOR
CONTACT: BRASS.
SHIELD: BRASS.
 - FINISH:
CONTACT: 0.762μm [30μ"] MIN. GOLD PLATING ON CONTACT AREA.
3.048μm [120μ"] MIN. BRIGHT TIN PLATING ON SOLDER TAILS
WITH ENTIRE CONTACT UNDERPLATED 1.27μm [50μ"] MIN.
- NICKEL:
SHIELD: 0.762μm [30μ"] MIN. NICKEL PLATING WITH
0.762μm [30μ"] MIN Cu UNDERPLATING OVERALL
WAVE SOLDER CAPABLE TO 240°C PER TE TEST SPEC.
109-202, CONDITION A.
REFLOW SOLDER CAPABLE TO 260°C PER TE TEST SPEC. 109-201,
CONDITION B.
5. TID NUMBER IS 61000806 FOR USB 2.0 SPEC.

OBSOLETED	PA-9T	TRAY	2-1734085-2
	PBT	TRAY	2-1734085-1
	HSG. MATERIAL	PACKAGE	PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN	Tyco Electronics Corporation Taipei, Taiwan	
DIMENSIONS: MM		CHK	NAME	
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD	USB CONNECTOR, A SERIES, VERTICAL, DIP TYPE	
0 PLC ± -		PRODUCT SPEC	SIZE CAGE CODE DRAWING NO RESTRICTED TO	
1 PLC ± 0.35		APPLICATION SPEC	A3 00779 C-1734085	
2 PLC ± 0.25		WEIGHT 4.57 GRAMS	SCALE SHEET 3 of 9 REV C1	
3 PLC ± 0.15		CUSTOMER DRAWING		
4 PLC ± -				
ANGLES ± 3°				
MATERIAL SEE NOTE	FINISH SEE NOTE			

4

3

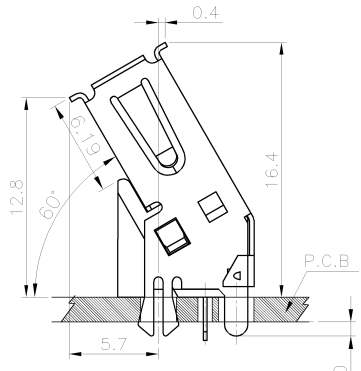
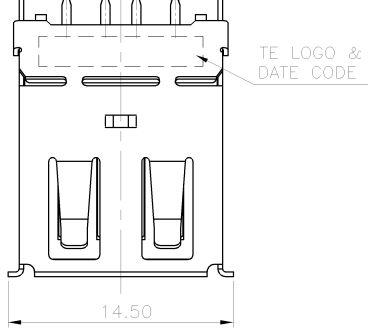
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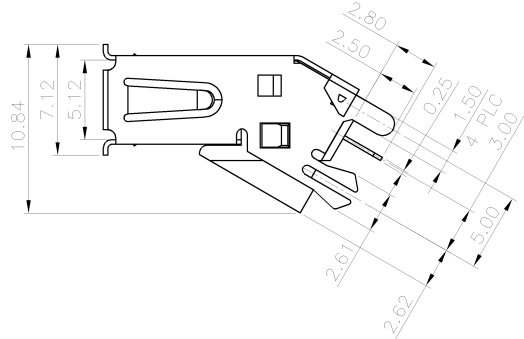
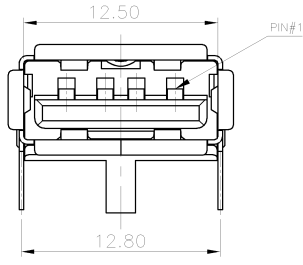
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LOC	DIST	REVISIONS			
P	LTR	DESCRIPTION	DATE	DWN	APVD
SEE SHEET 1.					

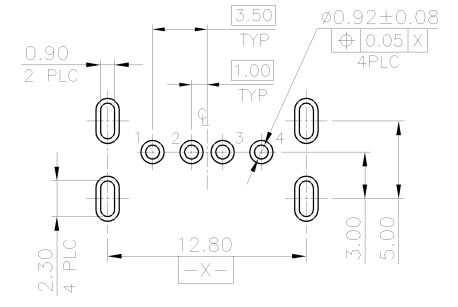
3.50
TYP
1.00
TYP
0.60
4 PLC



RECOMMEND MOUNT DIMENSION



- NOTES:
- MATERIAL:
HOUSING: THERMOPLASTIC (SEE TABLE), WITH 30% GF. UL 94V-0 RATED, BLACK COLOR
CONTACT: PHOSPHOR BRONZE.
SHIELD: BRASS.
 - FINISH:
CONTACT: 0.762μm [30μ"] MIN. GOLD PLATING ON CONTACT AREA. 3.048μm [120μ"] MIN. BRIGHT TIN PLATING ON SOLDERTAILS WITH ENTIRE CONTACT UNDERPLATED 1.27μm [50μ"] MIN. NICKEL
SHIELD: 0.762μm [30μ"] MIN. NICKEL PLATING WITH 0.762μm [30μ"] MIN. Cu UNDER PLATING OVERALL
 - WAVE SOLDER CAPABLE TO 240°C PER TE TEST SPEC. 109-202, CONDITION A.
 - REFLOW SOLDER CAPABLE TO 260°C PER TE TEST SPEC. 109-201, CONDITION B.
 - TID NUMBER IS 61000806 FOR USB 2.0 SPEC.



RECOMMEND P.C.B LAYOUT (THICKNESS 1.6mm)
(COMPONENT SIDE) TOLERANCE±0.05mm

	△PA-9T	TRAY	3-1734085-2
OBSOLETE	△PBT	TRAY	3-1734085-1
	HSG. MATERIAL PACKAGE	PART NUMBER	

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN	Tyco Electronics Corporation Taipei, Taiwan	
DIMENSIONS: MM	TOLERANCES UNLESS OTHERWISE SPECIFIED:	CHK	NAME	
	0 PLC ± -	APVD	PRODUCT SPEC	
	1 PLC ± 0.35		APPLICATION SPEC	
	2 PLC ± 0.25		SIZE CAGE CODE DRAWING NO	
	3 PLC ± 0.15		RESTRICTED TO	
MATERIAL	FINISH	WEIGHT	A3 00779 C-1734085	
SEE NOTE	SEE NOTE	CUSTOMER DRAWING	SCALE	SHEET 4 of 9 REV C1

4

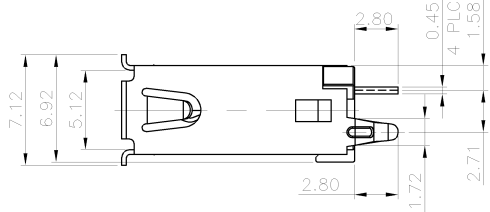
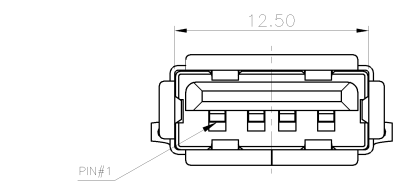
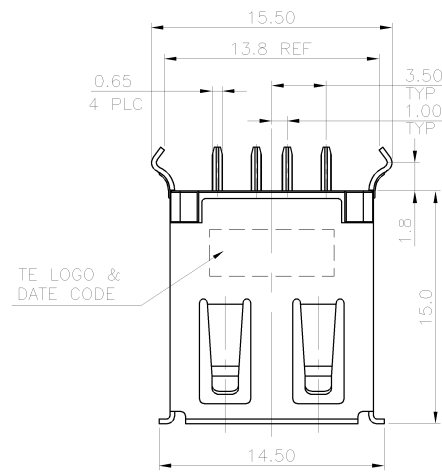
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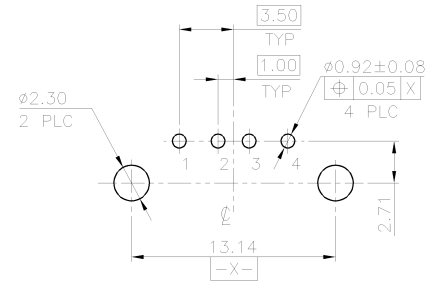
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LOC	DIST	REVISIONS			
P	LTR	DESCRIPTION	DATE	DWN	APVD
SEE SHEET 1.					



- NOTES:
- MATERIAL:
 HOUSING: THERMOPLASTIC (SEE TABLE), WITH 30% GF.
 UL 94V-0 RATED, BLACK; SEE TABLE.
 CONTACT: PHOSPHOR BRONZE.
 SHIELD: BRASS.
 - FINISH:
 CONTACT: 0.762μm [30μ"] MIN. GOLD PLATING ON CONTACT AREA.
 3.048μm [120μ"] MIN. BRIGHT TIN PLATING ON SOLDERTAILS
 WITH ENTIRE CONTACT UNDERPLATED 1.27μm [50μ"] MIN. NICKEL
 SHIELD: 0.762μm [30μ"] MIN. NICKEL PLATING WITH
 0.762μm [30μ"] MIN. Cu UNDER PLATING OVERALL
- ⚠ WAVE SOLDER CAPABLE TO 240°C PER TE TEST SPEC. 109-202, CONDITION A.
 ⚠ REFLOW SOLDER CAPABLE TO 260°C PER TE TEST SPEC. 109-201, CONDITION B.
 5. TID NUMBER IS 61000806 FOR USB 2.0 SPEC.



RECOMMEND P.C.B LAYOUT (THICKNESS 1.6mm)
 (COMPONENT SIDE) TOLERANCE±0.05mm

NATURE	△PA-9T	TRAY	4-1734085-2
WHITE	△PBT	TRAY	4-1734085-1
HSG. COLOR	HSG. MATERIAL	PACKAGE	PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN	Tyco Electronics Corporation Taipei, Taiwan	
DIMENSIONS:	TOLERANCES UNLESS OTHERWISE SPECIFIED:	CHK	NAME	
MM		APVD	PRODUCT SPEC	
0 PLC	± -	PRODUCT SPEC	APPLICATION SPEC	
1 PLC	± 0.35	APPLICATION SPEC	SIZE	CAGE CODE
2 PLC	± 0.25	APPLICATION SPEC	A3	00779
3 PLC	± 0.15	APPLICATION SPEC	DRAWING NO	©-1734085
4 PLC	± -	APPLICATION SPEC	RESTRICTED TO	
ANGLES	± 3°	APPLICATION SPEC	WEIGHT	1.70 GRAMS
MATERIAL	FINISH	APPLICATION SPEC	CUSTOMER DRAWING	SCALE
SEE NOTE	SEE NOTE	APPLICATION SPEC		SHEET 5 of 9
		APPLICATION SPEC		REV C1

4

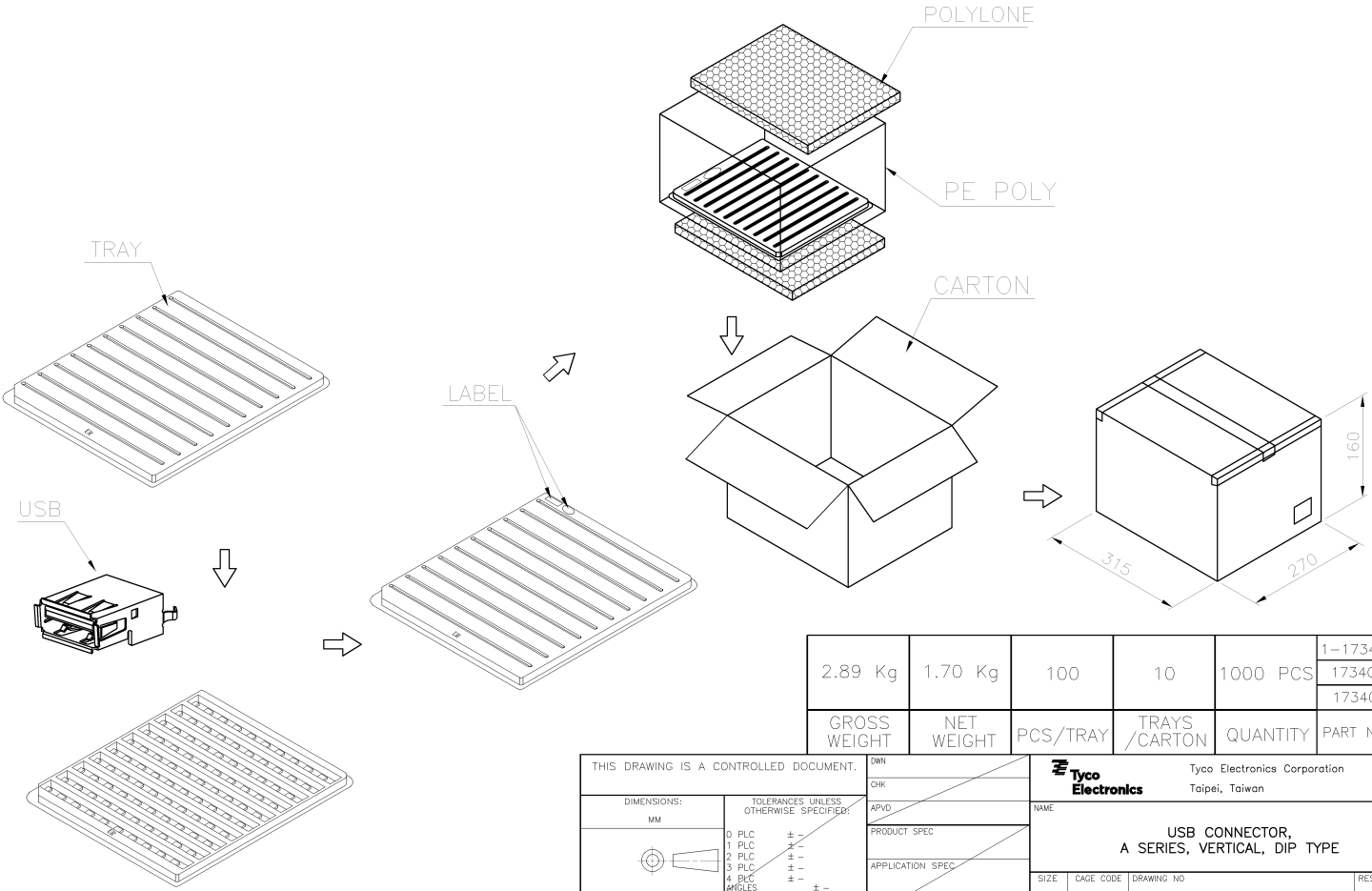
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LOC	DIST	REVISIONS			
P	LTR	DESCRIPTION	DATE	DWN	APVD
DW		SEE SHEET 1.			



2.89 Kg	1.70 Kg	100	10	1000 PCS	1-1734085-X
GROSS WEIGHT	NET WEIGHT	PCS/TRAY	TRAYS / CARTON	QUANTITY	PART NUMBER
					1734085-2
					1734085-1

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN	Tyco Electronics Corporation Taipei, Taiwan		
DIMENSIONS: MM	TOLERANCES UNLESS OTHERWISE SPECIFIED:	CHK	NAME		
	0 PLC ± -	APVD	PRODUCT SPEC		
	1 PLC ± -		APPLICATION SPEC		
	2 PLC ± -		SIZE	CAGE CODE	DRAWING NO
	3 PLC ± -		A3	00779	1734085
	4 PLC ± -		RESTRICTED TO		
MATERIAL	FINISH	WEIGHT	CUSTOMER - DRAWING		
			SCALE	SHEET	REV
				6 of 9	C1

4

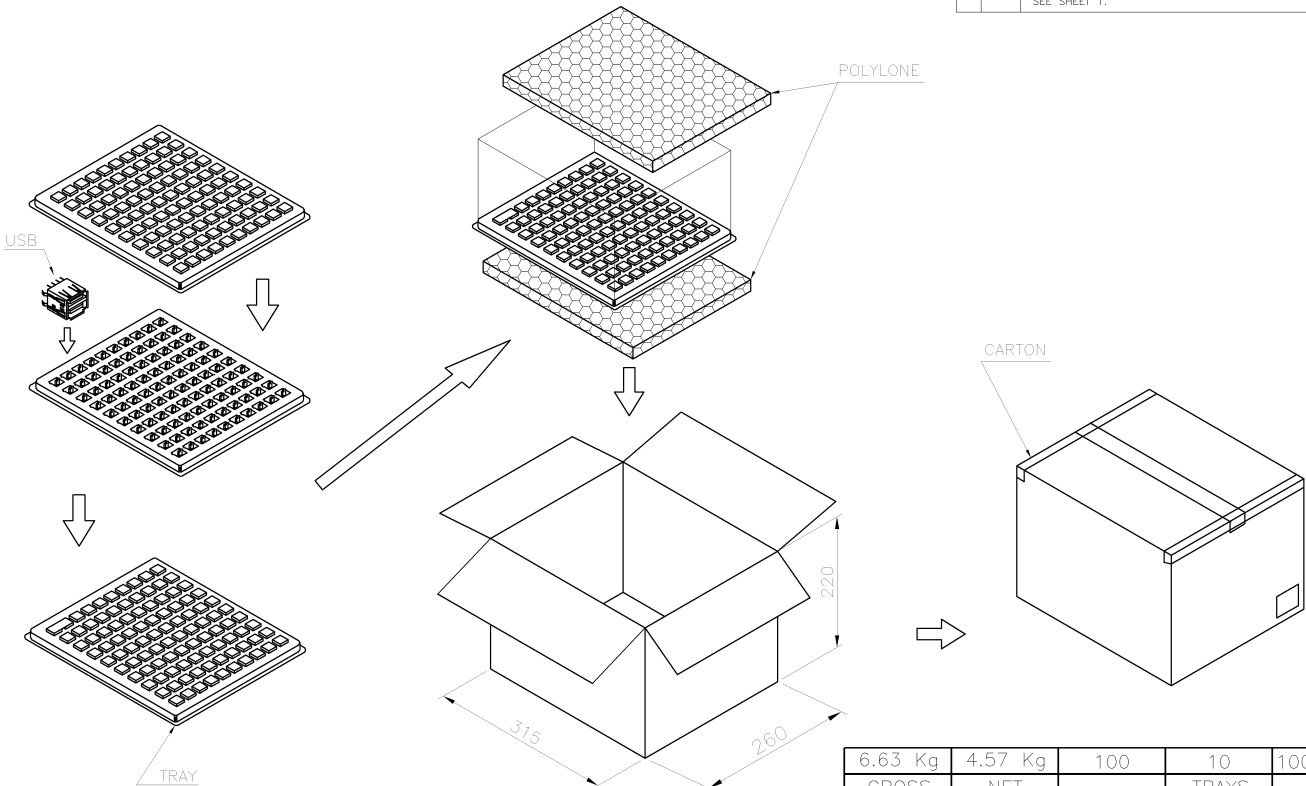
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LOC	DIST	REVISIONS			
P	LTR	DESCRIPTION	DATE	DWN	APVD
SEE SHEET 1.					



6.63 Kg	4.57 Kg	100	10	1000 PCS	2-1734085-X
GROSS WEIGHT	NET WEIGHT	PCS/TRAY	TRAYS / CARTON	QUANTITY	PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN	Tyco Electronics Corporation Taipei, Taiwan																
DIMENSIONS: MM		CHK	NAME																
<table border="1"> <thead> <tr> <th colspan="2">TOLERANCES UNLESS OTHERWISE SPECIFIED:</th> </tr> </thead> <tbody> <tr><td>0 PLC</td><td>± .05</td></tr> <tr><td>1 PLC</td><td>± .02</td></tr> <tr><td>2 PLC</td><td>± .01</td></tr> <tr><td>3 PLC</td><td>± .01</td></tr> <tr><td>4 PLC</td><td>± .01</td></tr> <tr><td>ANGLES</td><td>± .05</td></tr> </tbody> </table>		TOLERANCES UNLESS OTHERWISE SPECIFIED:		0 PLC	± .05	1 PLC	± .02	2 PLC	± .01	3 PLC	± .01	4 PLC	± .01	ANGLES	± .05	APVD	USB CONNECTOR, A SERIES, VERTICAL, DIP TYPE		
TOLERANCES UNLESS OTHERWISE SPECIFIED:																			
0 PLC	± .05																		
1 PLC	± .02																		
2 PLC	± .01																		
3 PLC	± .01																		
4 PLC	± .01																		
ANGLES	± .05																		
MATERIAL		PRODUCT SPEC	SIZE	CAGE CODE	DRAWING NO														
FINISH		APPLICATION SPEC	A3	00779	C-1734085														
		WEIGHT	RESTRICTED TO																
		CUSTOMER DRAWING	SCALE	SHEET	REV														
				7 of 9	C1														

4

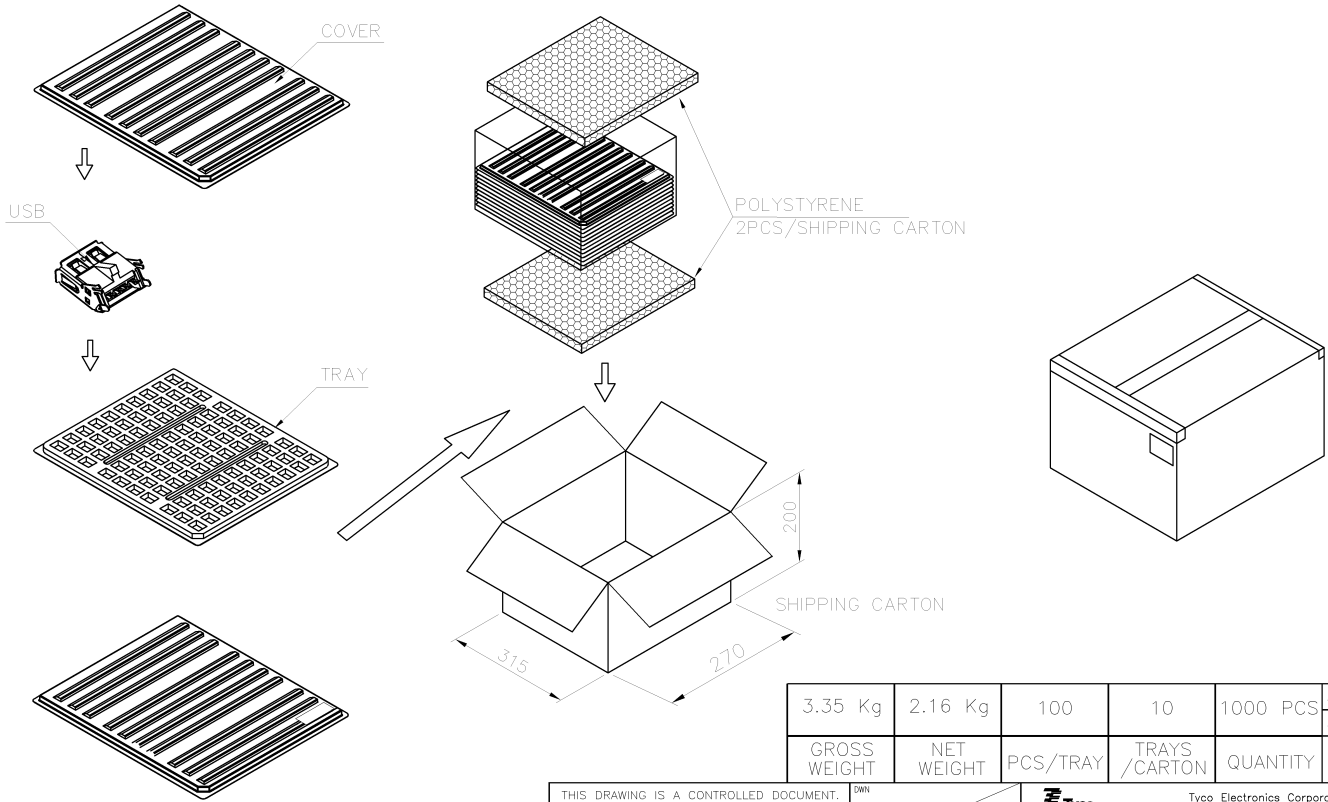
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LOC		DIST		REVISIONS				
P	LTR	DESCRIPTION			DATE	DWN	APVD	
SEE SHEET 1.								



3.35 Kg	2.16 Kg	100	10	1000 PCS	4-1734085-X
GROSS WEIGHT	NET WEIGHT	PCS/TRAY	TRAYS / CARTON	QUANTITY	PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN	Tyco Electronics Corporation Taipei, Taiwan		
DIMENSIONS: MM	TOLERANCES UNLESS OTHERWISE SPECIFIED:	CHK	NAME		
	0 PLC ± -	APVD	PRODUCT SPEC		
	1 PLC ± -	APPLICATION SPEC	SIZE		
	2 PLC ± -		CAGE CODE	DRAWING NO	RESTRICTED TO
	3 PLC ± -		A3	00779	C-1734085
4 PLC ± -	4 ANGLES ± -	WEIGHT	CUSTOMER DRAWING		
MATERIAL	FINISH	SCALE		SHEET	REV
		-		8 of 9	C1

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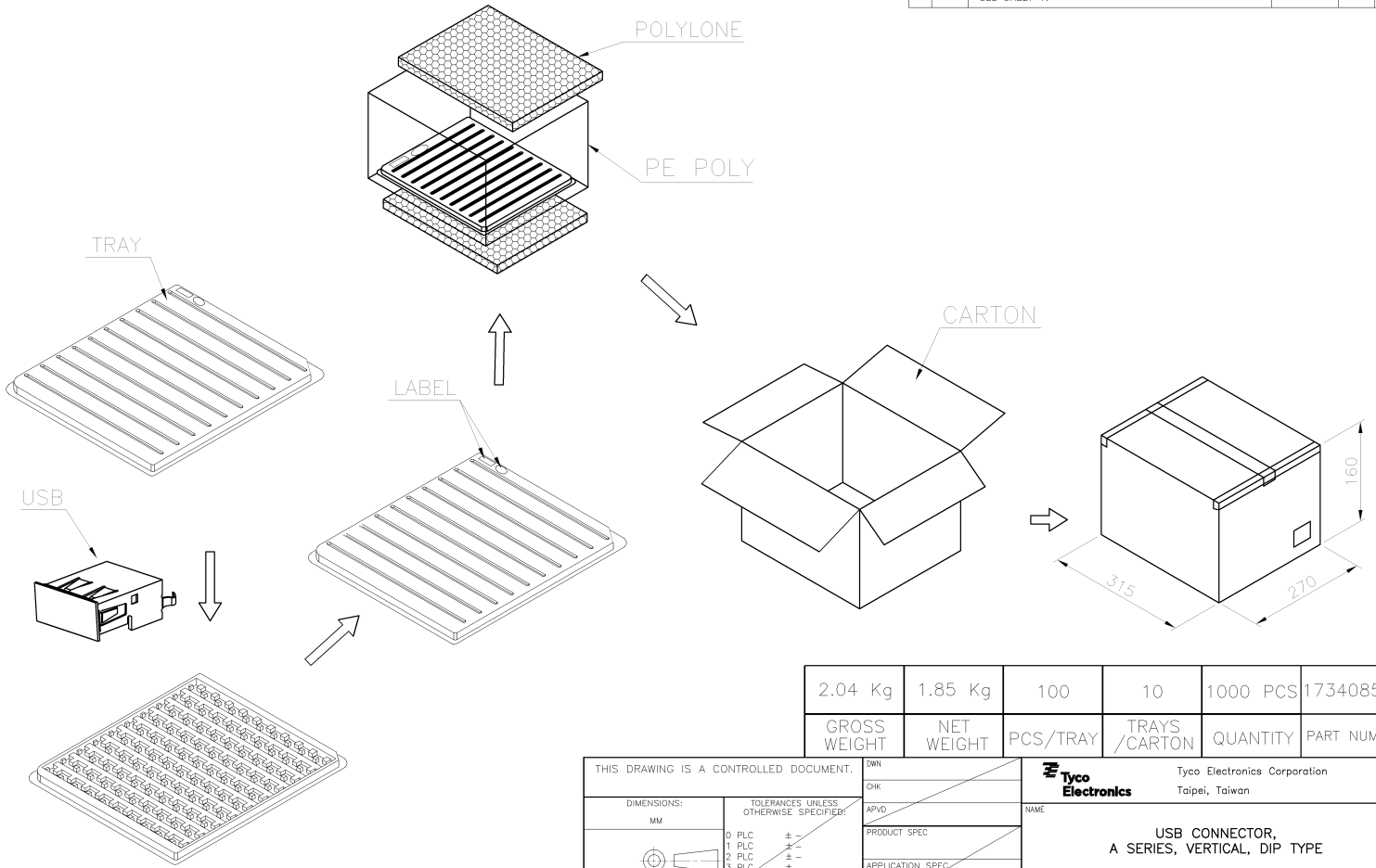
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LOC	DIST	REVISIONS			
P	LTR	DESCRIPTION	DATE	DWN	APVD
SEE SHEET 1.					



2.04 Kg	1.85 Kg	100	10	1000 PCS	1734085-3
GROSS WEIGHT	NET WEIGHT	PCS/TRAY	TRAYS /CARTON	QUANTITY	PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN	Tyco Electronics Corporation Taipei, Taiwan		
DIMENSIONS: MM	TOLERANCES UNLESS OTHERWISE SPECIFIED:	CHK	NAME		
	0 PLC ± -	APVD	PRODUCT SPEC		
	1 PLC ± -	APPLICATION SPEC WEIGHT CUSTOMER DRAWING	Tyco Electronics		
	2 PLC ± -		USB CONNECTOR, A SERIES, VERTICAL, DIP TYPE		
	3 PLC ± -		SIZE	CAGE CODE	DRAWING NO
4 PLC ± -	A3		00779	1734085	
MATERIAL	FINISH	SCALE		SHEET	REV
		-		9 of 9	C1

AMP 1470-19 REV 31MAR2000