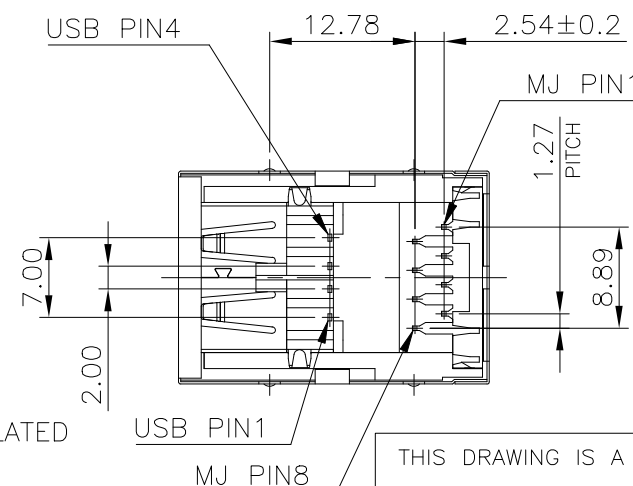




RECOMMENDED PCB LAYOUT  
RECOMMENDED PCB THICKNESS: 1.6mm  
TOLERANCE:  $\pm 0.05$  (TOP VIEW)

5. RJ45 CAVITY CONFIRMS TO FCC RULES AND REGULATIONS PART 68, SUBPART F.



OBSOLETE	12.61	WITHOUT HTD	2.8	BLACK	0.762um [30u"]	<del>3-1775855-1</del>
				COOL GRAY 1C	GOLD FLASH	<del>2-1775855-2</del>
				BLACK	GOLD FLASH	<del>2-1775855-1</del>
	12.61	WITH HTD 		BLACK	0.762um [30u"]	1-1775855-1
			2.6	BLACK	GOLD FLASH	1775855-3
			2.8	GOOL GRAY 1C	GOLD FLASH	1775855-2
				BLACK	GOLD FLASH	1775855-1
	WEIGHT (gram)	HOT TIN DIP ON SHELL'S LEGS	DIM A	HOUSING COLOR	MIN. GOLD THICKNESS	PART NUMBER

CUSTOMER DRAWING

DIMENSIONS:	
mm	
	
MATERIAL	
SEE TABEL	



TE Connectivity Ltd.

MODULAR JACK, RJ45, STACKED OVER,  
USB CONN., DIP TYPE

A300779	G=1775855	—
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CUSTOMER DRAWING

SCALE	1 : 1
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SHEET 1 OF 5

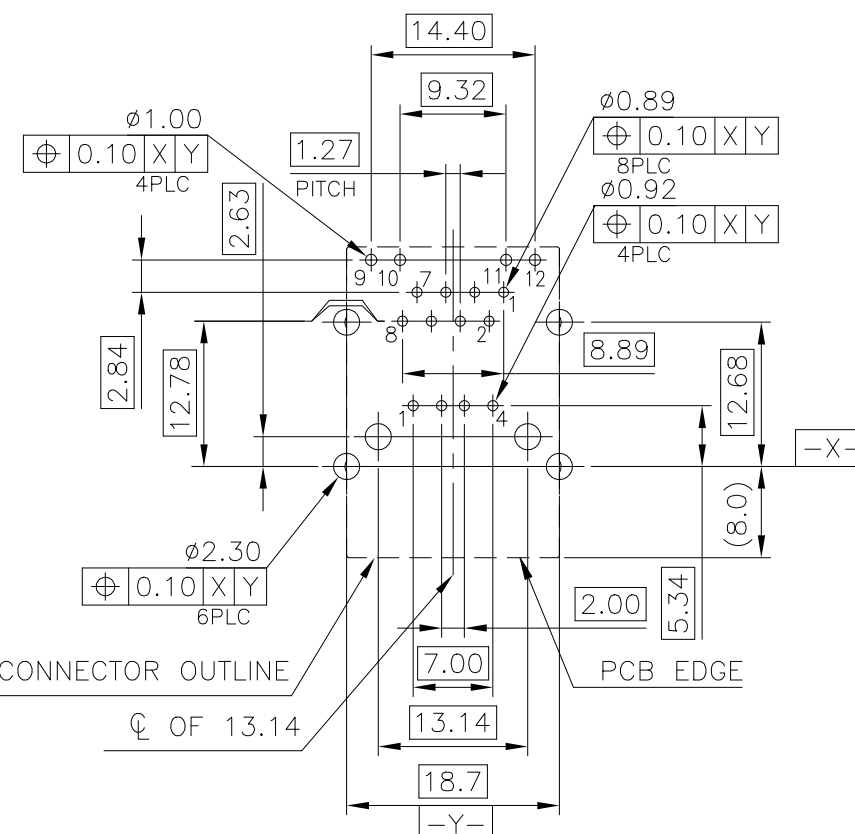
REV	F
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P	LTR	DESCRIPTION	DATE	DWN	APVD
	—	SEE SHEET 1	—	—	—



RECOMMENDED PCB LAYOUT  
RECOMMENDED PCB THICKNESS: 1.6mm  
TOLERANCE:  $\pm 0.05$  (TOP VIEW)

Top view drawing of a USB connector assembly. The drawing shows the internal structure of the connector, including the USB pins and the micro-jig (MJ) pins. Key dimensions and labels are as follows:

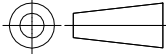
- USB PIN4**: Label for the top-left USB pin.
- 12.78**: Dimension for the distance between the center of USB PIN4 and the center of MJ PIN1.
- 2.54±0.2**: Dimension for the distance between the center of MJ PIN1 and the center of MJ PIN8.
- MJ PIN1**: Label for the top-right micro-jig pin.
- 1.27 PITCH**: Dimension for the pitch of the micro-jig pins.
- 7.00**: Dimension for the distance between the center of USB PIN4 and the center of USB PIN1.
- 2.00**: Dimension for the distance between the center of USB PIN1 and the center of MJ PIN8.
- USB PIN1**: Label for the bottom-left USB pin.
- MJ PIN8**: Label for the bottom-right micro-jig pin.
- 8.89**: Dimension for the distance between the center of MJ PIN1 and the center of MJ PIN8.
- 9.32**: Dimension for the distance between the center of MJ PIN8 and the center of MJ PIN1.
- 14.40**: Dimension for the total width of the connector assembly.

THIS DRAWING IS A CONTROL

FOR 4-1775855-1			
LED ELECTRICAL CHARACTERISTIC			
	NODE	COLOR	
LED LEFT	9(+) 10(-)	ORANGE	9 $\rightarrow$ $\nabla$ 10
	9(-) 10(+)	GREEN	9 $\leftarrow$ $\nabla$ 10
LED RIGHT	11(+) 12(-)	ORANGE	11 $\rightarrow$ $\nabla$ 12
	11(-) 12(+)	GREEN	11 $\leftarrow$ $\nabla$ 12

FOR 4-1775855-2			
LED ELECTRICAL CHARACTERISTIC			
	NODE	COLOR	
LED LEFT	9(+) 10(-)	GREEN	9 $\rightarrow$ $\nabla$ 10
	9(-) 10(+)	ORANGE	9 $\leftarrow$ $\nabla$ 10
LED RIGHT	11(+) 12(-)	GREEN	11 $\rightarrow$ $\nabla$ 12

13.11	GREEN/ORANGE	GREEN	4-1775855-2
	ORANGE/GREEN	ORANGE/GREEN	4-1775855-1
WEIGHT (gram)	LEFT	RIGHT	PART NUMBER
	LED COLORS		


DIMENSIONS:	TOLERANCES UNLESS OTHERWISE SPECIFIED:
mm	
	0 PLC $\pm -$ 1 PLC $\pm 0.3$ 2 PLC $\pm 0.2$ 3 PLC $\pm 0.15$ 4 PLC $\pm -$ ANGLES $\pm 3'$
MATERIAL	FINISH
SEE TABEL	—

**TE** TE Connectivity Ltd.

9	NAME	MODULAR JACK, RJ45, STACKED OVER, USB CONN., DIP TYPE
---	------	--

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A3	00779	Ⓒ=1775855	—

CUSTOMER DRAWING	SCALE 1:1	SHEET 2 of 5	REV E
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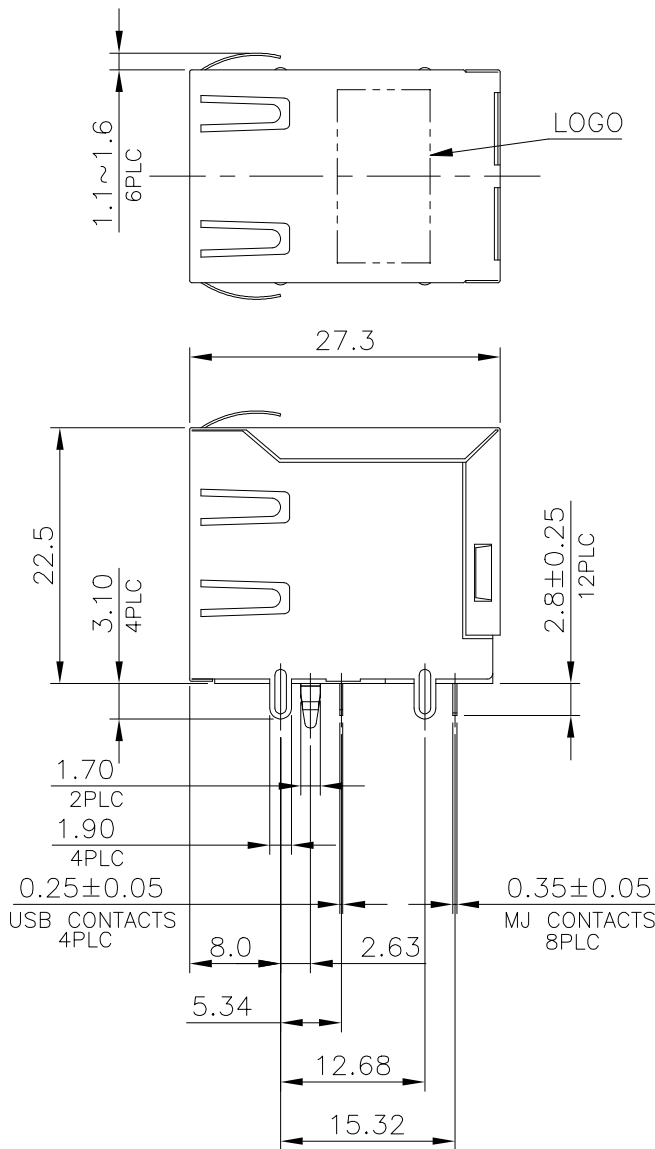
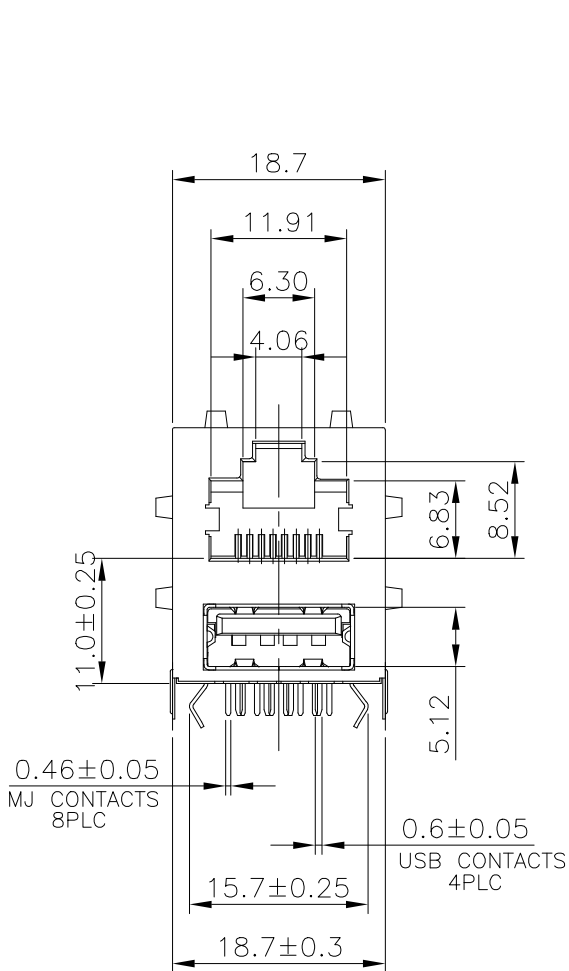
RELEASED FOR PUBLICATION

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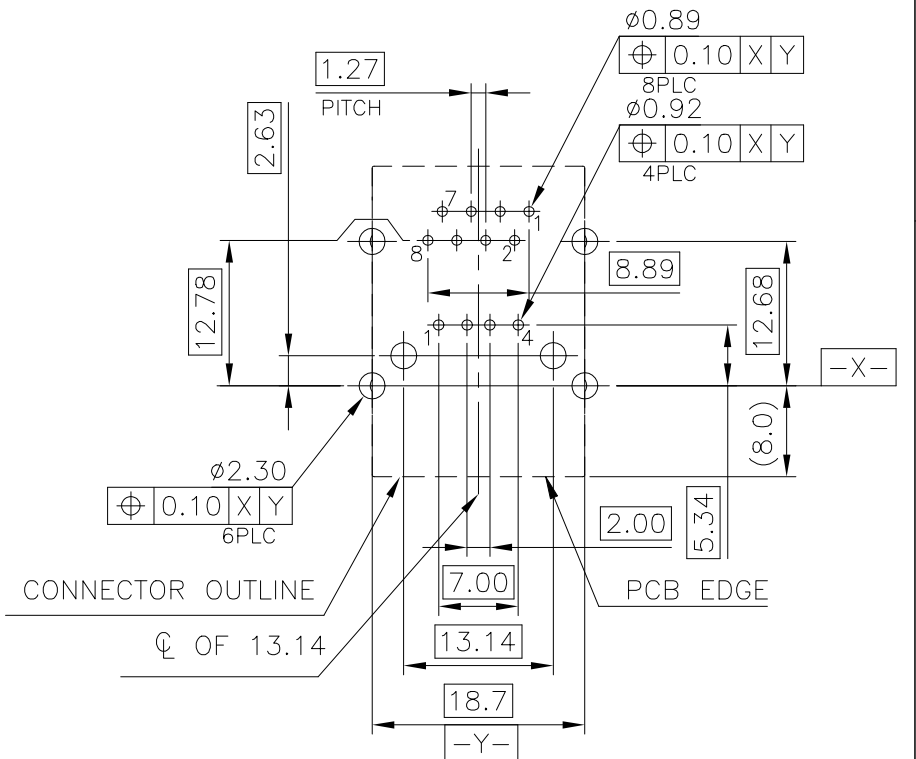
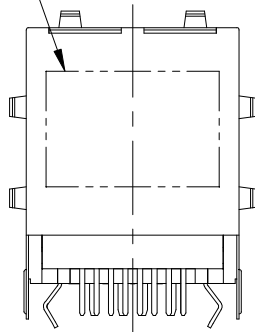
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REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
	—	SEE SHEET 1	—	—	—



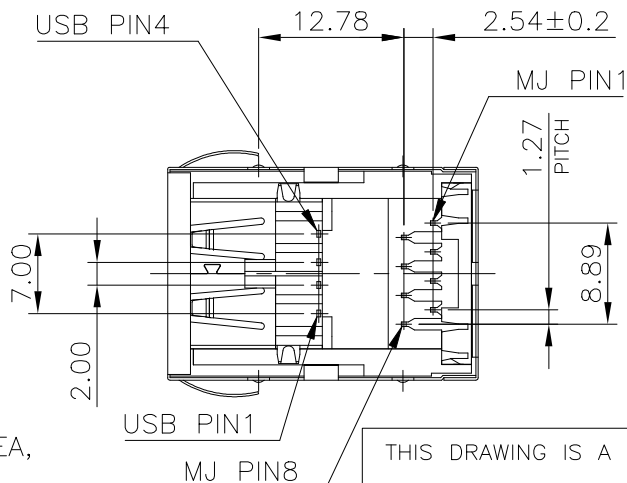
DATE CODE



RECOMMENDED PCB LAYOUT  
RECOMMENDED PCB THICKNESS: 1.6mm  
TOLERANCE: ±0.05 (TOP VIEW)

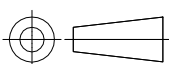
NOTE:

- MATERIAL:
  - MJ HOUSING: PBT, WITH 30% GF, UL94V-0, COLOR: SEE TABLE.
  - MJ CONTACTS: PHOSPHOR BRONZE.
  - MJ SHIELD: BRASS.
  - USB HOUSING: PBT, UL94V-0, COLOR: SEE TABLE.
  - USB CONTACTS: BRASS.
  - USB SHIELD: SPCC.
- FINISH:
  - MJ CONTACTS: GOLD FLASH PLATED ON CONTACT AREA, GOLD FLASH ON SOLDER TAILS, 1.27um [50u"] MIN. NICKEL UNDERPLATED OVERALL.
  - MJ SHIELD: 0.508um [20u"] MIN. NICKEL PLATED.
  - USB CONTACT: GOLD FLASH PLATED ON CONTACT AREA, 2.54um [100u"] MIN. BRIGHT-TIN PLATED ON SOLDER TAILS, 1.27um [50u"] MIN. NICKEL UNDERPLATED OVERALL.
  - USB SHIELD: 2.032um [80u"] MIN. NICKEL PLATED.
- WAVE SOLDER CAPABLE TO 265°C PER TE CONNECTIVITY SPEC. 109-202, CONDITION B.



THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS:  
mm




MATERIAL  
SEE TABEL

TOLERANCES UNLESS  
OTHERWISE SPECIFIED:

0 PLC ± -  
1 PLC ± 0.3  
2 PLC ± 0.2  
3 PLC ± 0.15  
4 PLC ± -  
ANGLES ± 3°  
FINISH

-

DWN	12JUN2009
B. HSING	
CHK	12JUN2009
S. CHIEN	
APVD	12JUN2009
W. KODAMA	
PRODUCT SPEC	
108-57802	
APPLICATION SPEC	
—	
WEIGHT	—
CUSTOMER DRAWING	

		TE Connectivity Ltd.	
NAME			
MODULAR JACK, RJ45, STACKED OVER, USB CONN., DIP TYPE			
—			
SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A3	00779	C=1775855	—
SCALE 1:1		SHEET 3 OF 5	REV E

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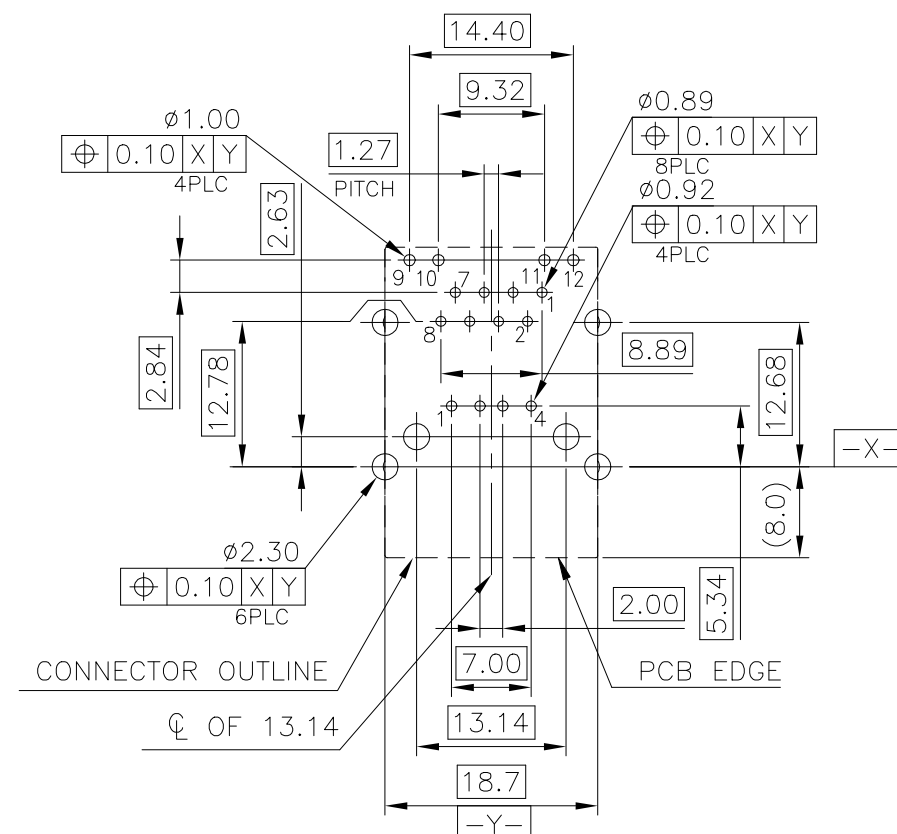
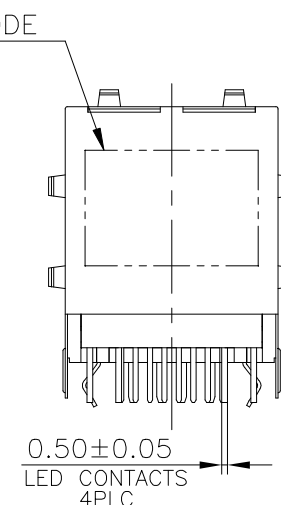
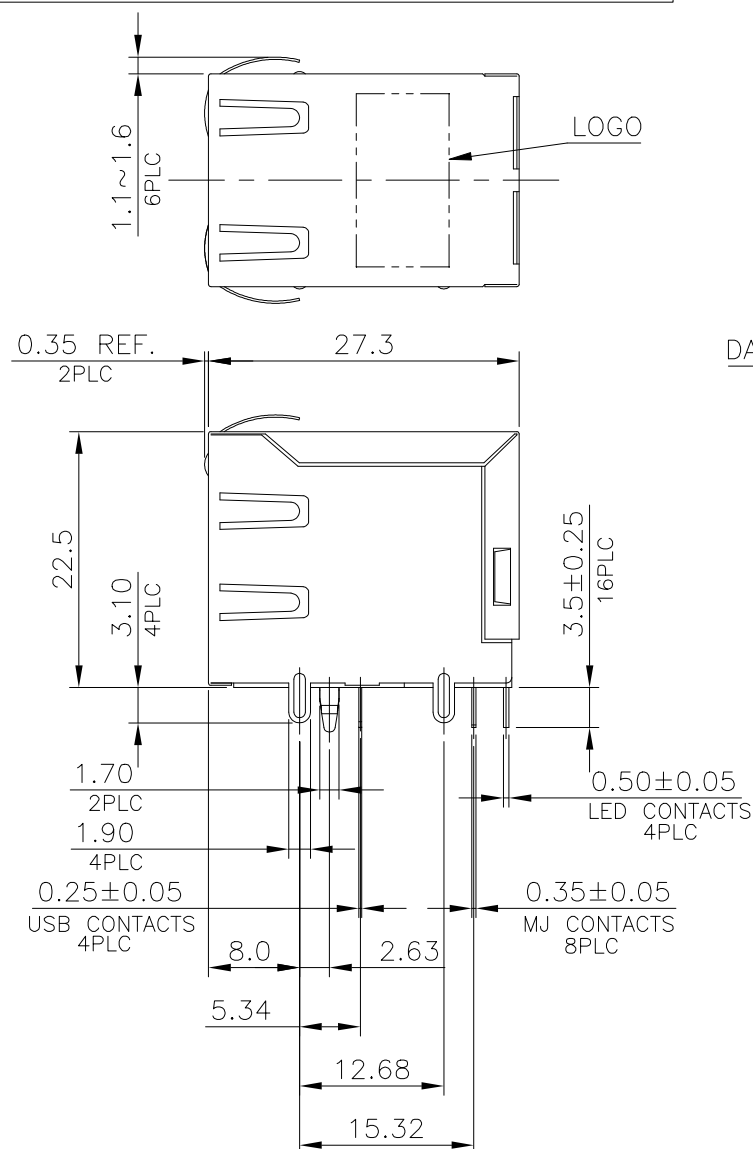
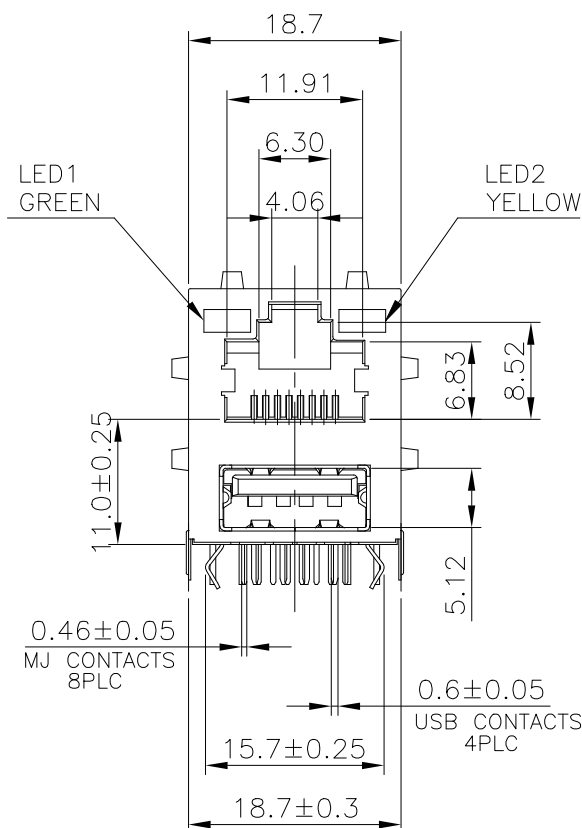


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## REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
	—	SEE SHEET 1	—	—	—



RECOMMENDED PCB LAYOUT  
RECOMMENDED PCB THICKNESS: 1.6mm  
TOLERANCE: ±0.05 (TOP VIEW)

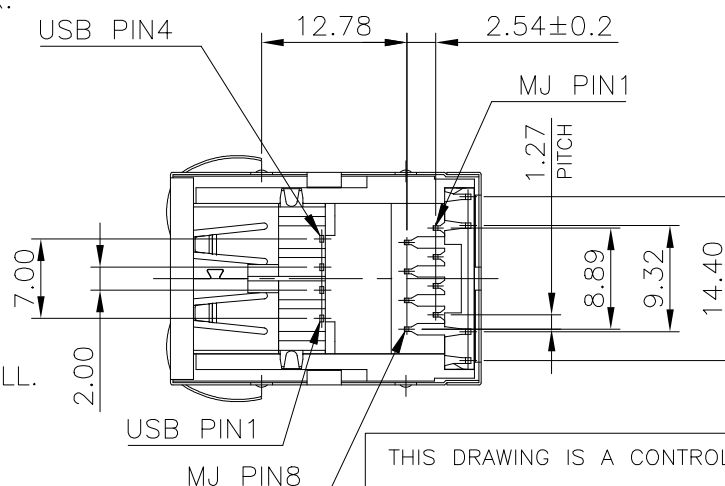
## NOTE:

## 1. MATERIAL:

- 1.1 MJ HOUSING & LED COVER: PBT, WITH 30% GF, UL94V-0, BLACK COLOR.
- 1.2 MJ CONTACTS: PHOSPHOR BRONZE.
- 1.3 MJ SHIELD: BRASS.
- 1.4 LED SOLDER TAIL: EPOXY, STEEL.
- 1.5 USB HOUSING: PBT, UL94V-0, BLACK COLOR.
- 1.6 USB CONTACTS: BRASS.
- 1.7 USB SHIELD: SPCC.

## 2. FINISH:

- 2.1 MJ CONTACTS:  
SELECTIVE GOLD PLATED (SEE TABLE)  
ON CONTACT AREA,  
GOLD FLASH ON SOLDER TAILS,  
1.27um [50u"] MIN. NICKEL UNDERPLATED OVERALL.
  - 2.2 MJ SHIELD: 0.508um [20u"] MIN. NICKEL PLATED.
  - 2.3 LED SOLDER TAIL:  
1.02um [40u"] COPPER UNDERPLATED OVERALL.  
1.27um [50u"] NICKEL OVERALL.  
1.27um [50u"] SILVER ON BONDING AREA.  
2.54um [100u"] BRIGHT-TIN ON SOLDER AREA.
  - 2.4 USB CONTACT: SELECTIVE GOLD PLATED (SEE TABLE) ON CONTACT AREA,  
2.54um [100u"] MIN. BRIGHT-TIN PLATED ON SOLDER TAILS,  
1.27um [50u"] MIN. NICKEL UNDERPLATED OVERALL.
  - 2.5 USB SHIELD: 2.032um [80u"] MIN. NICKEL PLATED.
3. WAVE SOLDER CAPABLE TO 265°C PER TE CONNECTIVITY SPEC.  
109-202, CONDITION B.



LED ELECTRICAL CHARACTERISTIC			
NO.	NODE	COLOR	
LED1	9(+) 10(-)	GREEN	9 → 10
LED2	11(+) 12(-)	YELLOW	11 → 12

OBSOLETE	12.90	0.762um [30u"]	6-1775855-3
		GOLD FLASH	6-1775855-1
	WEIGHT (gram)	MIN. GOLD THICKNESS	PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS:	TOLERANCES UNLESS OTHERWISE SPECIFIED:
mm	
	0 PLC ± -
	1 PLC ± 0.3
	2 PLC ± 0.2
	3 PLC ± 0.15
	4 PLC ± -
	ANGLES ± 3°
MATERIAL	FINISH
SEE TABEL	-

DWN	12JUN2009
B. HSING	
CHK	12JUN2009
S. CHIEN	
APVD	12JUN2009
W. KODAMA	
PRODUCT SPEC	
108-57802	
APPLICATION SPEC	
-	
WEIGHT	-
CUSTOMER DRAWING	

TE Connectivity Ltd.			
NAME			
MODULAR JACK, RJ45, STACKED OVER, USB CONN., DIP TYPE			
-			
SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A3	00779	C=1775855	-
SCALE		SHEET	REV
1:1		4 of 5	E

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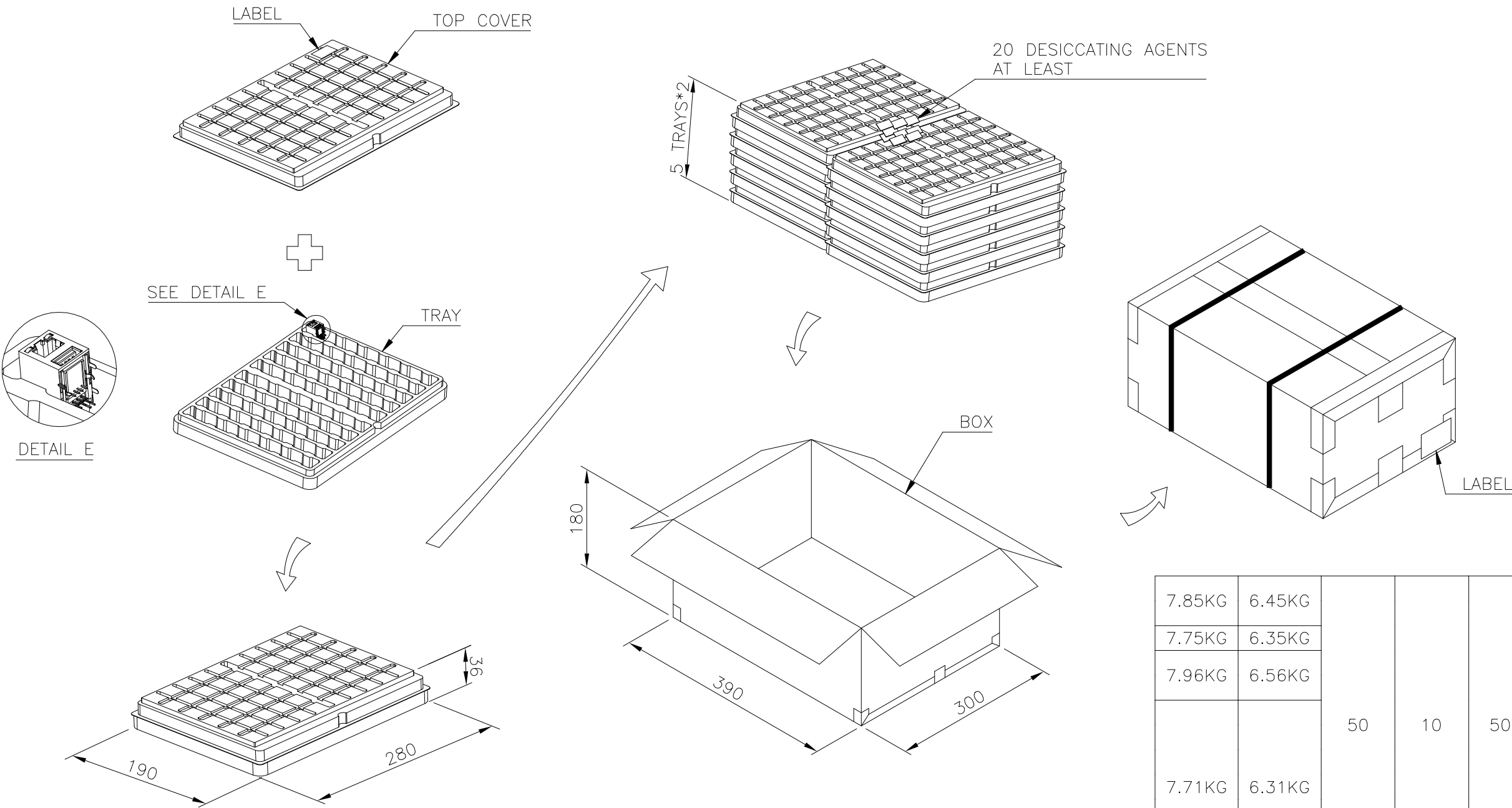


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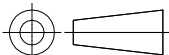
REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
	-	SEE SHEET 1	-	-	-



- NOTES:
1. MATERIAL:  
TRAY: PVC.  
BOX: CORRUGATED FIBER.
  2. DIMENSION: SEE DRAWING
  3. QUANTITY: SEE TABLE
  4. WEIGHT: SEE TABLE

7.85KG	6.45KG	50	10	500	6-1775855-3
7.75KG	6.35KG				<del>6-1775855-1</del>
7.96KG	6.56KG				5-1775855-1
					4-1775855-2
7.71KG	6.31KG	50	10	500	4-1775855-1
					<del>3-1775855-1</del>
					<del>2-1775855-2</del>
					<del>2-1775855-1</del>
GROSS WEIGHT	NET WEIGHT	PCS/ TRAY	TRAY/ BOX	PCS/ BOX	1-1775855-1
					1775855-3
					1775855-2
GROSS WEIGHT	NET WEIGHT	PCS/ TRAY	TRAY/ BOX	PCS/ BOX	1775855-1

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		CHK S. CHIEN	12JUN2009								
DIMENSIONS: mm		TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD W. KODAMA	12JUN2009		NAME  MODULAR JACK, RJ45, STACKED OVER, USB CONN., DIP TYPE  —				
		0 PLC ± — 1 PLC ± 0.3 2 PLC ± 0.2 3 PLC ± 0.15 4 PLC ± — ANGLES ± 3°		PRODUCT SPEC  108-57802							
				APPLICATION SPEC  —							
				WEIGHT —							
MATERIAL  SEE TABEL		FINISH  —		SIZE A3		CAGE CODE 00779		DRAWING NO C=1775855		RESTRICTED TO  —	
CUSTOMER DRAWING				SCALE 1:1		SHEET 5 of 5		REV E			

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