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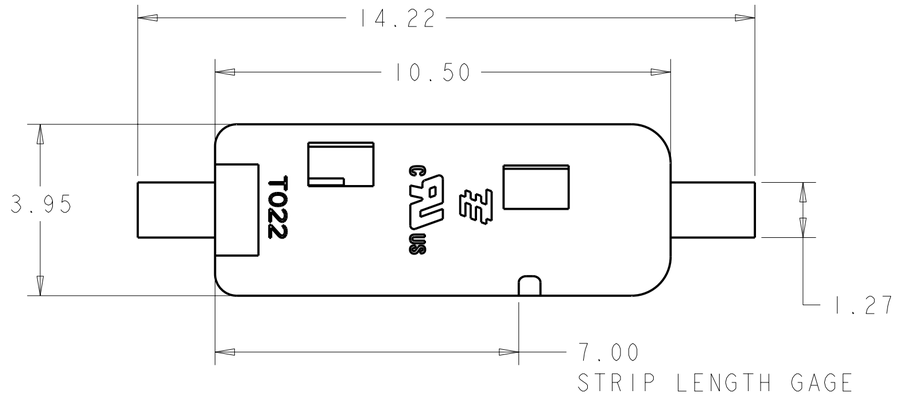
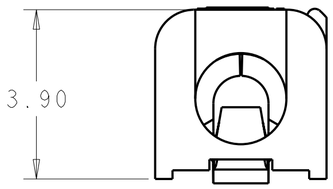
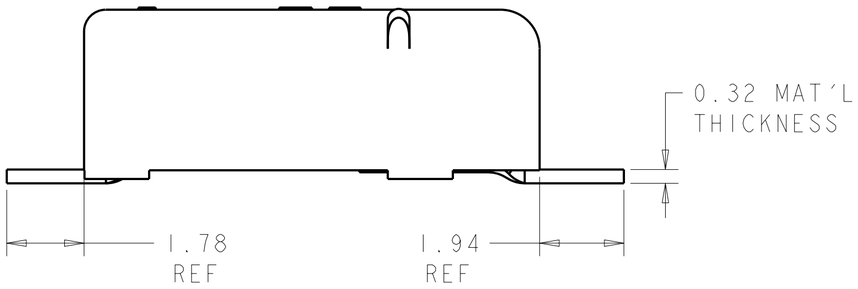
LOC	DIST
-	-

REVISIONS

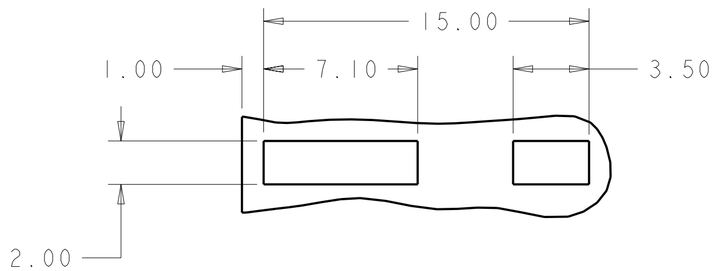
P	LTR	DESCRIPTION	DATE	DWN	APVD
	A	REVISED PER ECR-09-012308	16JUN2009	HMR	DD



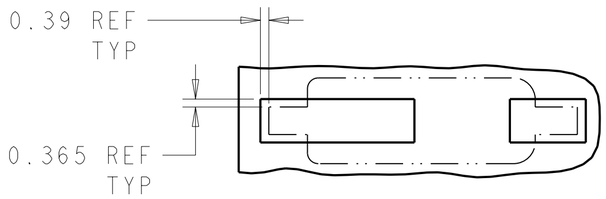




2008683-1 &
1-2008683-1 SHOWN



RECOMMENDED PCB LAYOUT
SCALE 5:1



RECOMMENDED CONNECTOR PLACEMENT
SCALE 5:1

⚠1 MATERIALS AND FINISH:
- HOUSING: LCP
- CONTACTS: COPPER ALLOY, FINISH: TIN

2. MUST COMPLY WITH DIRECTIVE 2002/95/EC (ROHS)

3. THIS PRODUCT HAS NOT COMPLETED VALIDATION TESTING

4. WIRE TYPES AND SIZES ACCEPTED
18 AND 20 AWG SOLID WIRE
18 AND 20 AWG PREBOND STRANDED WIRE
18 AWG STRANDED WIRE (7, 9 AND 16 STRAND COUNT)
MAX INSULATION OD: 2.10 MM (.083")
STRIP LENGTH: 7.0±1.0 (.276")

5. PACKAGED IN TAPE AND REEL

DESCRIPTION	PART NUMBER
2 POSN, THRU HOLE, BLACK	1-2008683-4
1 POSN, THRU HOLE, BLACK	1-2008683-3
2 POSN, SMT, BLACK	1-2008683-2
1 POSN, SMT, BLACK	1-2008683-1
2 POSN, THRU HOLE, NATURAL	2008683-4
1 POSN, THRU HOLE, NATURAL	2008683-3
2 POSN, SMT, NATURAL	2008683-2
1 POSN, SMT, NATURAL	2008683-1

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DIMENSIONS: mm

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ±-
1 PLC ±0.5
2 PLC ±0.10
3 PLC ±-
4 PLC ±-
ANGLES ±3°

MATERIAL ⚠1 -
FINISH ⚠1 -

DWN S FISHER 07DEC2007
CHK S HORST 07DEC2007
APVD -
PRODUCT SPEC -
APPLICATION SPEC -
WEIGHT -

Tyco Electronics
Tyco Electronics
Harrisburg, PA 17105-3608

NAME
CONNECTOR ASSEMBLY, POKE-IN, LOW INSERTION FORCE

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A2	00779	C-2008683	-

CUSTOMER DRAWING | SCALE 1:1 | SHEET 1 OF 6 | REV A

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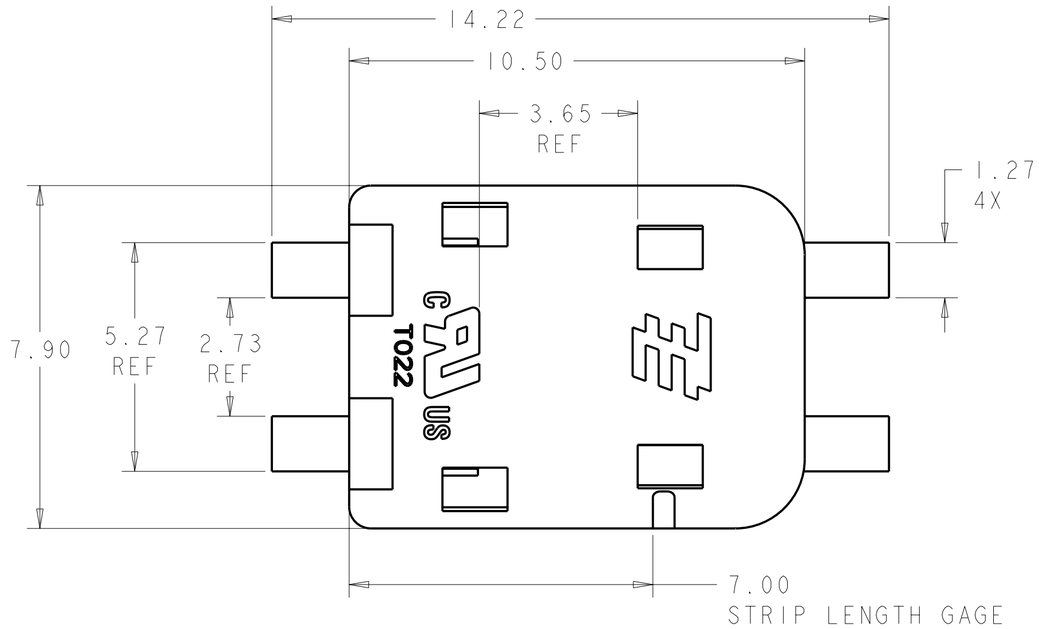
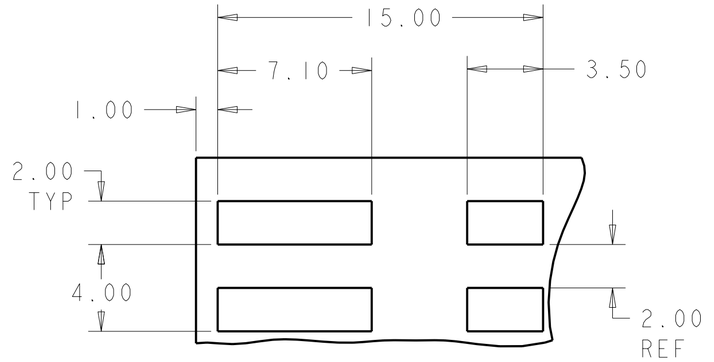
LOC	DIST
-	-

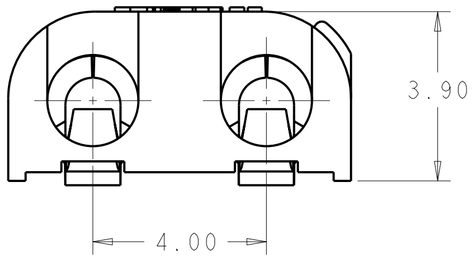
REVISIONS

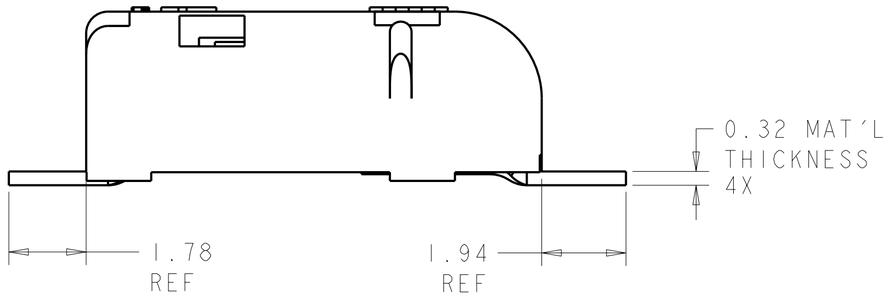
P	LTR	DESCRIPTION	DATE	DWN	APVD
	-	SEE SHEET 1	-	-	-



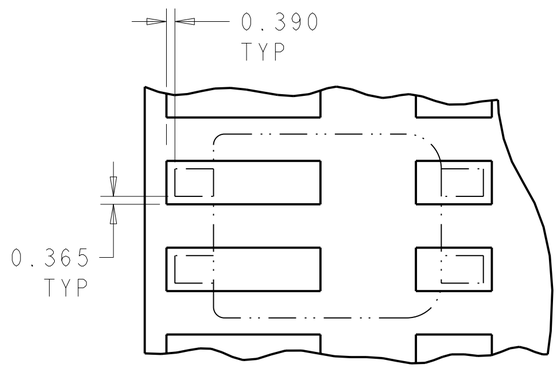


RECOMMENDED PCB LAYOUT
SCALE 5:1





2008683-2 &
1-2008683-2 SHOWN



RECOMMENDED CONNECTOR PLACEMENT
SCALE 5:1

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DIMENSIONS: mm

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ±-
1 PLC ±0.5
2 PLC ±0.10
3 PLC ±-
4 PLC ±-
ANGLES ±3°

MATERIAL -
FINISH -

DWN S FISHER 07DEC2007
CHK S HORST 07DEC2007
APVD -
PRODUCT SPEC -
APPLICATION SPEC -
WEIGHT -

Tyco Electronics
Tyco Electronics
Harrisburg, PA 17105-3608

NAME
CONNECTOR ASSEMBLY, POKE-IN, LOW INSERTION FORCE

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A2	00779	C-2008683	-

CUSTOMER DRAWING | SCALE 1:1 | SHEET 2 OF 6 | REV A

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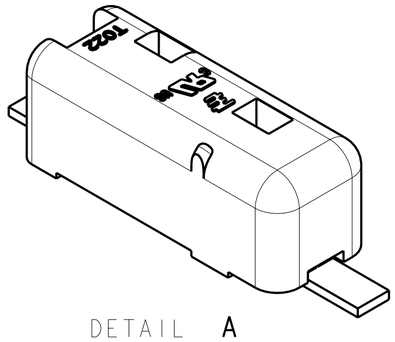
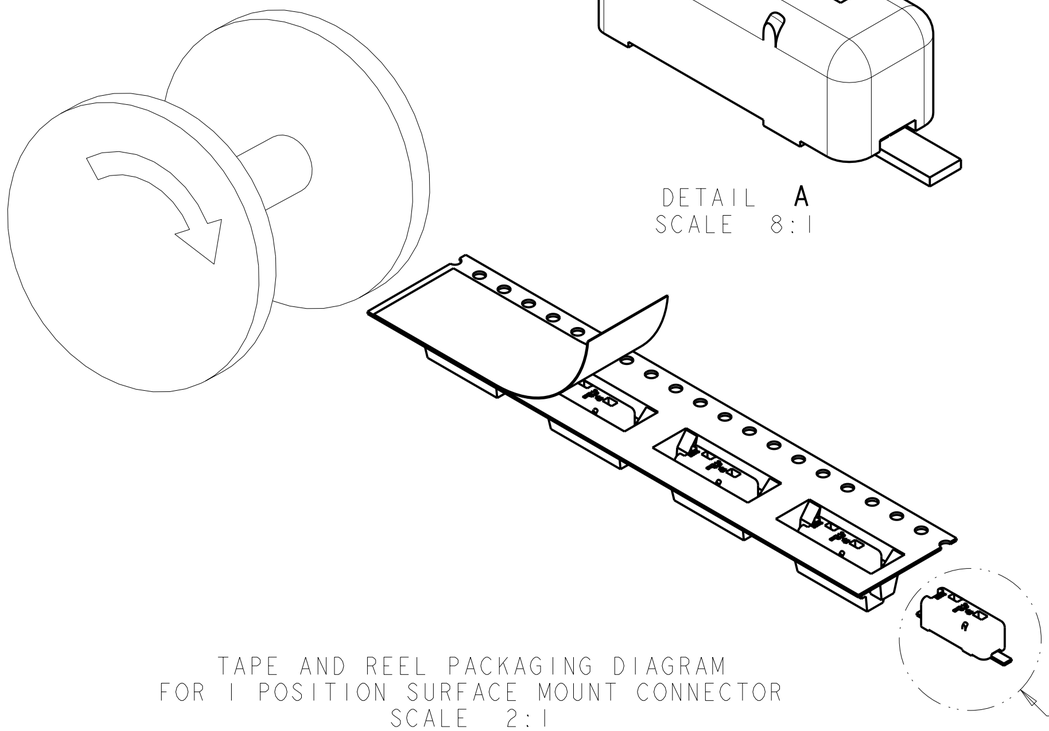
LOC	DIST
-	-

REVISIONS

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

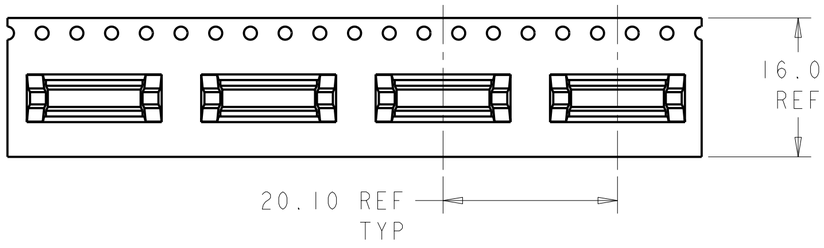


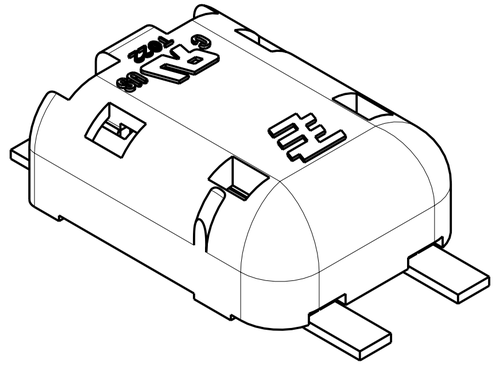
DETAIL A
SCALE 8:1



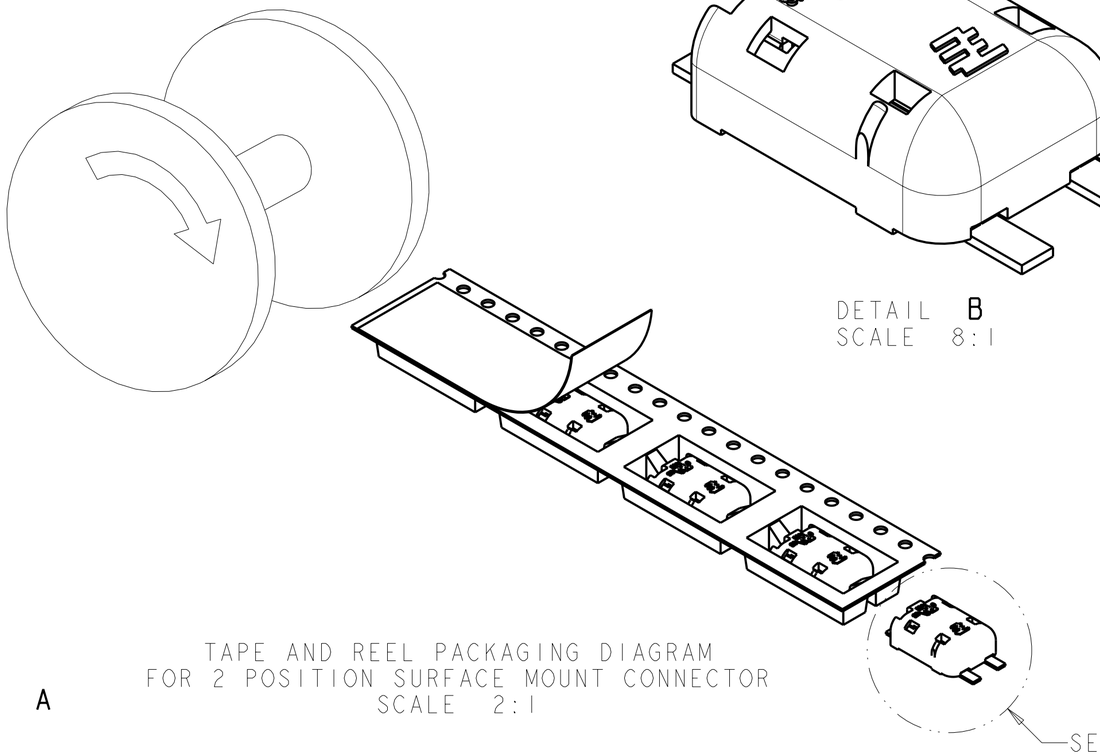
TAPE AND REEL PACKAGING DIAGRAM
FOR 1 POSITION SURFACE MOUNT CONNECTOR
SCALE 2:1

SEE DETAIL A



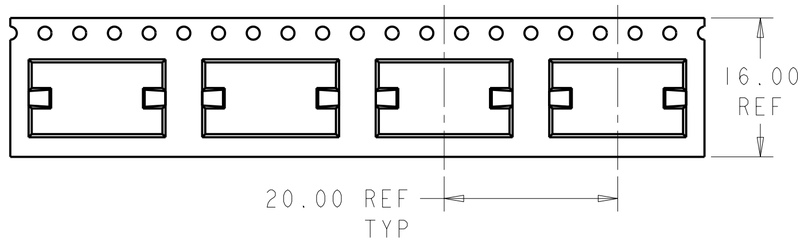


DETAIL B
SCALE 8:1



TAPE AND REEL PACKAGING DIAGRAM
FOR 2 POSITION SURFACE MOUNT CONNECTOR
SCALE 2:1

SEE DETAIL B



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0 PLC ±-
1 PLC ±0.5
2 PLC ±0.10
3 PLC ±-
4 PLC ±-
ANGLES ±3°

MATERIAL -
FINISH -

DWN S FISHER 07DEC2007
CHK S HORST 07DEC2007
APVD -
PRODUCT SPEC -
APPLICATION SPEC -
WEIGHT -

Tyco Electronics
Tyco Electronics
Harrisburg, PA 17105-3608

NAME
CONNECTOR ASSEMBLY, POKE-IN, LOW INSERTION FORCE

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A2	00779	C-2008683	-

CUSTOMER DRAWING

SCALE	SHEET	REV
1:1	3 OF 6	A

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LOC	DIST
-	-

REVISIONS

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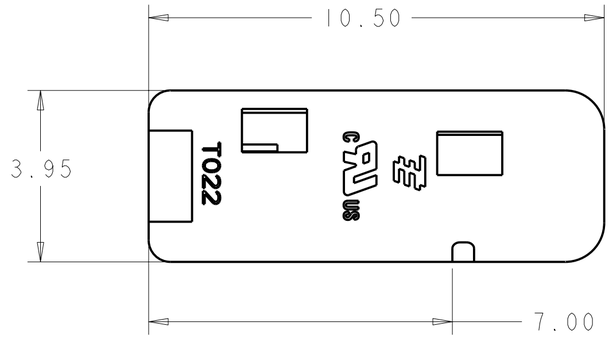
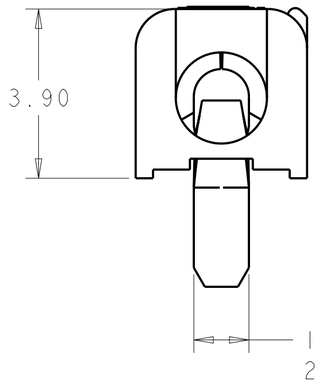
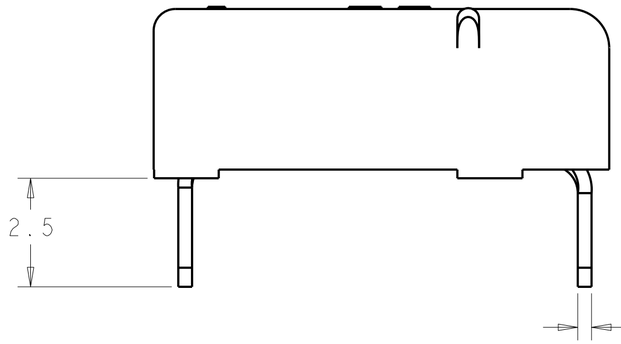
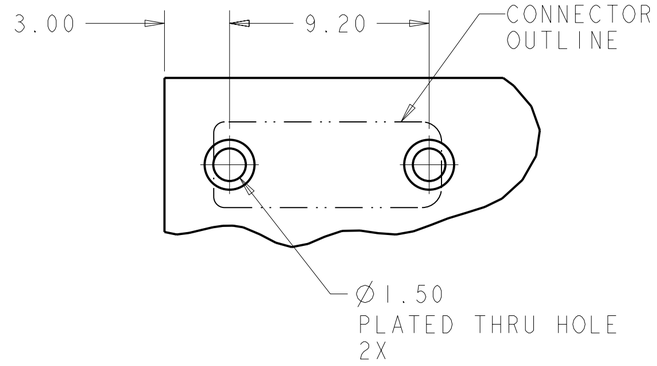
	-	SEE SHEET 1	-	-	-







2008683-3 &
1-2008683-3 SHOWN



RECOMMENDED PCB LAYOUT
SCALE 5:1

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1 PLC ±0.2
2 PLC ±0.10
3 PLC ±-
4 PLC ±-
ANGLES ±3°

MATERIAL -
FINISH -

DWN S FISHER 07DEC2007
CHK S HORST 07DEC2007
APVD -
PRODUCT SPEC -
APPLICATION SPEC -
WEIGHT -

Tyco Electronics
Tyco Electronics
Harrisburg, PA 17105-3608

NAME
CONNECTOR ASSEMBLY, POKE-IN, LOW INSERTION FORCE

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A2	00779	C-2008683	-

CUSTOMER DRAWING | SCALE 1:1 | SHEET 4 OF 6 | REV A

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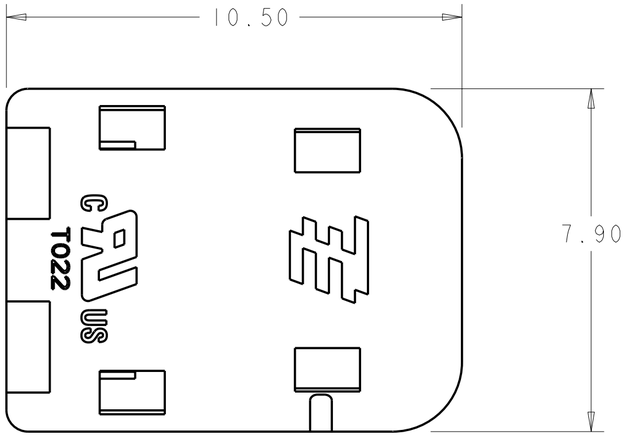
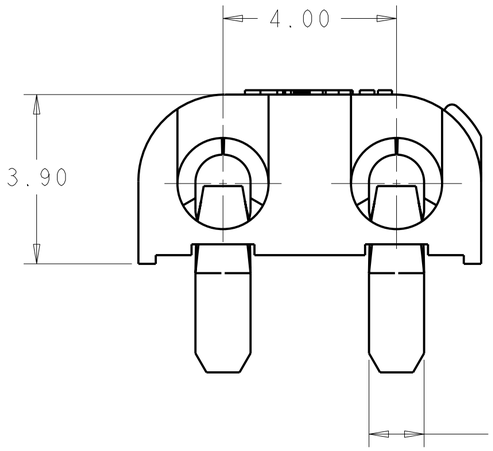
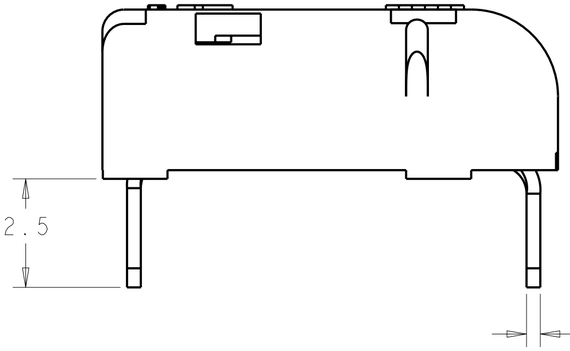
LOC	DIST
-	-

REVISIONS

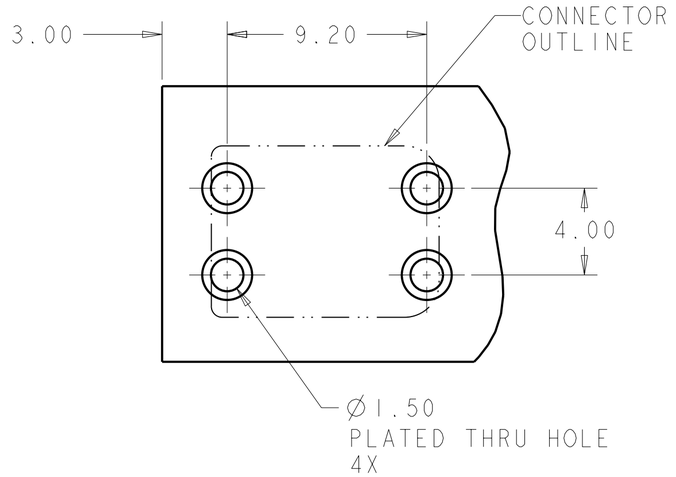
P	LTR	DESCRIPTION	DATE	DWN	APVD
	-	SEE SHEET 1	-	-	-







2008683-4 &
1-2008683-4 SHOWN



RECOMMENDED PCB LAYOUT
SCALE 5:1

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4 PLC ±-
ANGLES ±3°

MATERIAL -
FINISH -

DWN S FISHER 07DEC2007
CHK S HORST 07DEC2007
APVD -
PRODUCT SPEC -
APPLICATION SPEC -
WEIGHT -

Tyco Electronics
Tyco Electronics
Harrisburg, PA 17105-3608

NAME
CONNECTOR ASSEMBLY, POKE-IN, LOW INSERTION FORCE

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A2	00779	C-2008683	-

CUSTOMER DRAWING | SCALE 1:1 | SHEET 5 OF 6 | REV A

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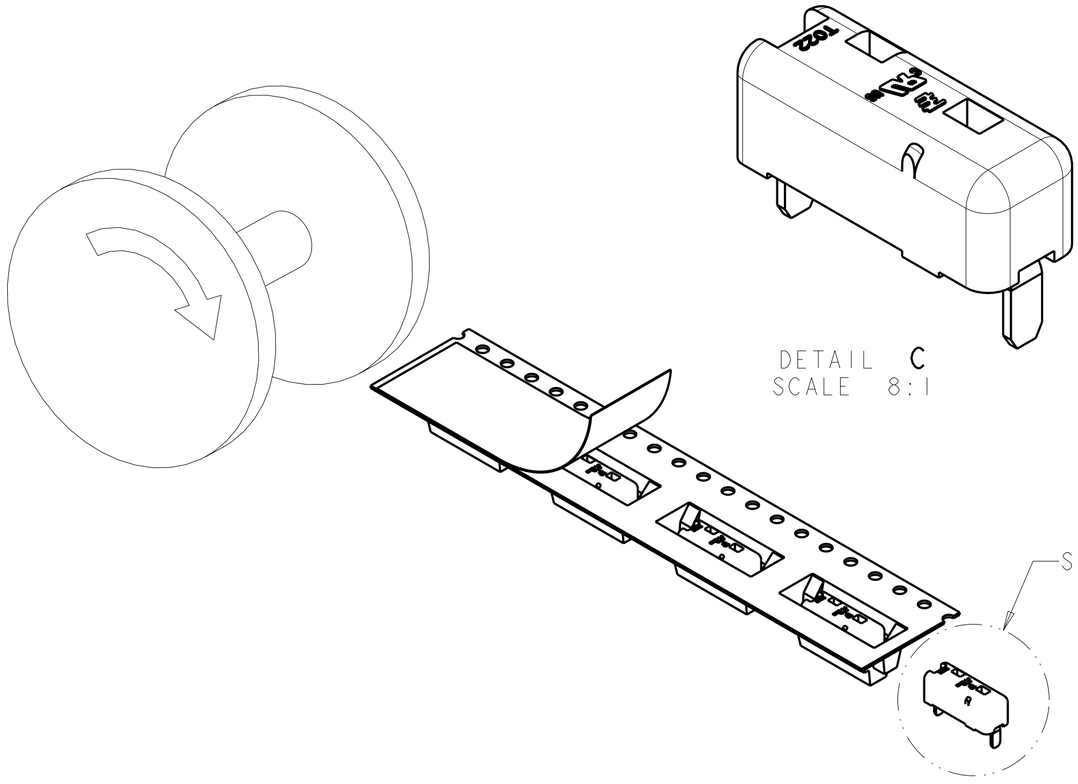
LOC	DIST
-	-

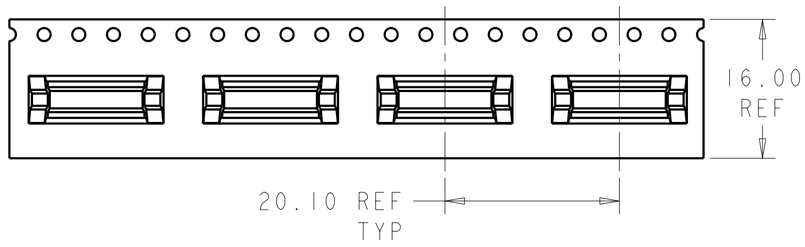
REVISIONS

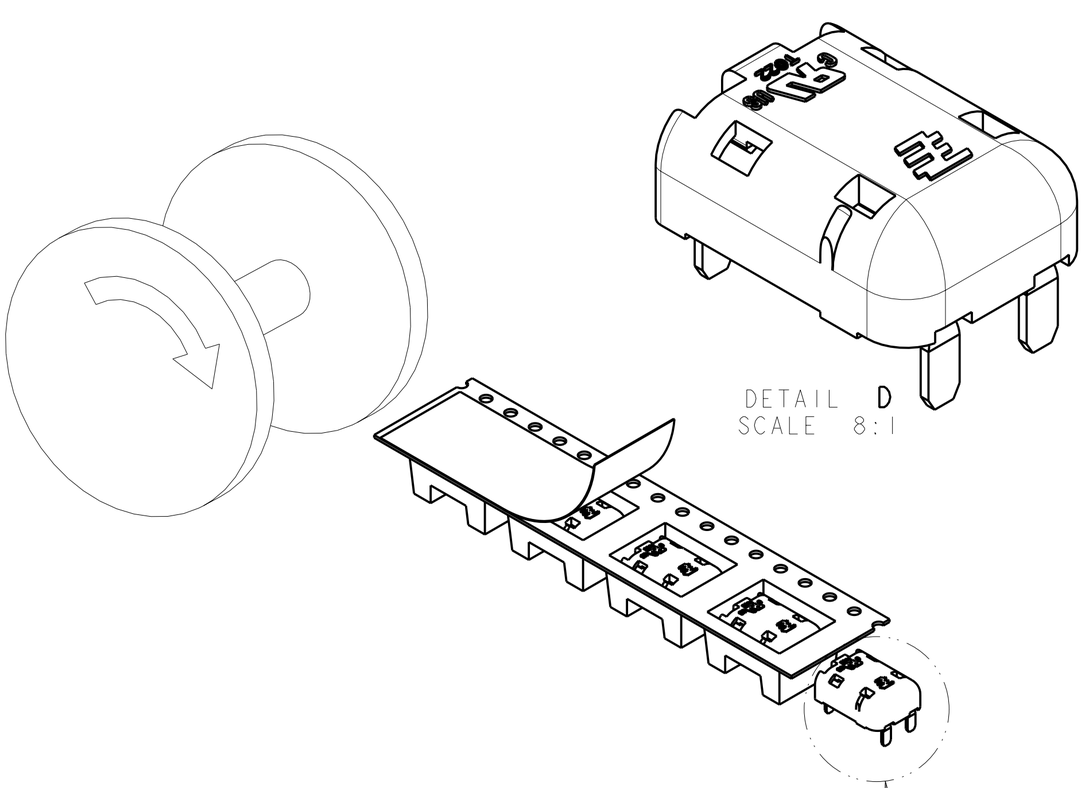
P	LTR	DESCRIPTION	DATE	DWN	APVD
	-	SEE SHEET 1	-	-	-



DETAIL C
SCALE 8:1

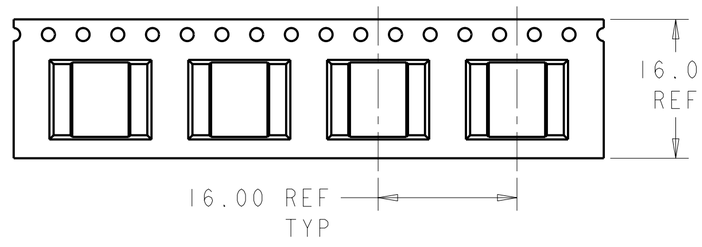
TAPE AND REEL PACKAGING DIAGRAM
FOR 1 POSITION THROUGH HOLE CONNECTOR
SCALE 2:1





DETAIL D
SCALE 8:1

TAPE AND REEL PACKAGING DIAGRAM
FOR 2 POSITION THROUGH HOLE CONNECTOR
SCALE 2:1



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ANGLES ±3°

MATERIAL -
FINISH -

DWN S FISHER 07DEC2007
CHK S HORST 07DEC2007
APVD - -
PRODUCT SPEC -
APPLICATION SPEC -
WEIGHT -

Tyco Electronics
Tyco Electronics
Harrisburg, PA 17105-3608

NAME
CONNECTOR ASSEMBLY, POKE-IN, LOW INSERTION FORCE

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A2	00779	C-2008683	-

CUSTOMER DRAWING | SCALE 1:1 | SHEET 6 OF 6 | REV A