



**RoHS
COMPLIANT**

00-9159-00X-501-X06

PREFIX

SERIES

NO. OF WAYS

CODE	NO. OF WAYS	DETAILS
002	2	SHEET 2
003	3	SHEET 3
004	4	SHEET 4
005	5	SHEET 5
006	6	SHEET 6

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SINGLE PART PCB STRIP CONNECTOR

CODE	DESCRIPTION	DETAILS
501	THROUGH THE BOARD - EDGE CARD - NO CAP	SHEETS 2 TO 6
502	THROUGH THE BOARD - EDGE CARD - CAP FITTED	SHEET 7

INSULATOR COLOUR

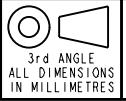
CODE	COLOUR	AVAILABILITY
9	WHITE	UL APPROVED - STANDARD

AVX CONTROLLED RELEASE

PLATING OPTION

CODE	CONTACT PLATING
06	GOLD PLATING ON NOSE WITH TIN ON TAILS

SHEET 1 OF 10



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Drawn
N.C.H.

Description
9159 THROUGH BOARD - ORDERING CODE

DATE
06-Jan-12

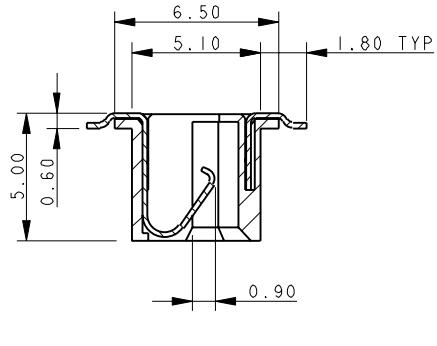
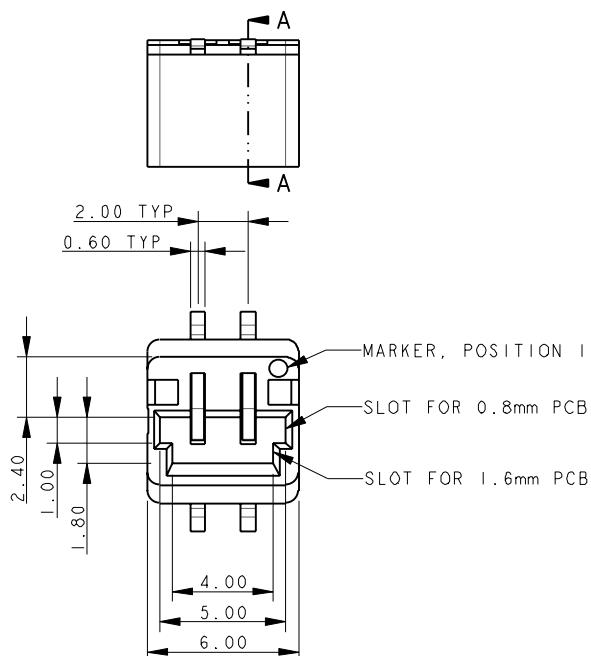
Size
CV

Part Number
00-9159-01_500S

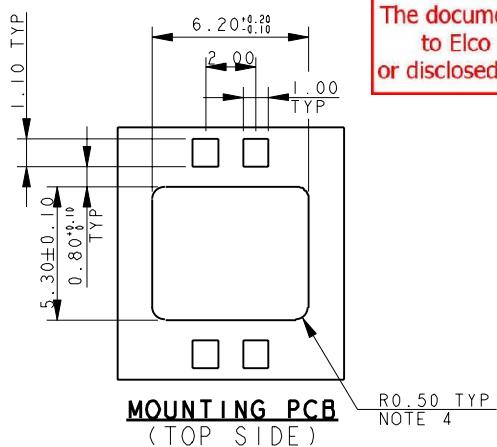
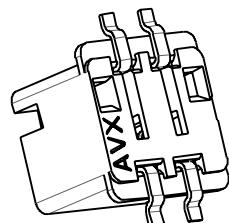
Issue
6



THROUGH THE BOARD MATING EDGE CARD CONNECTOR - 2 WAY

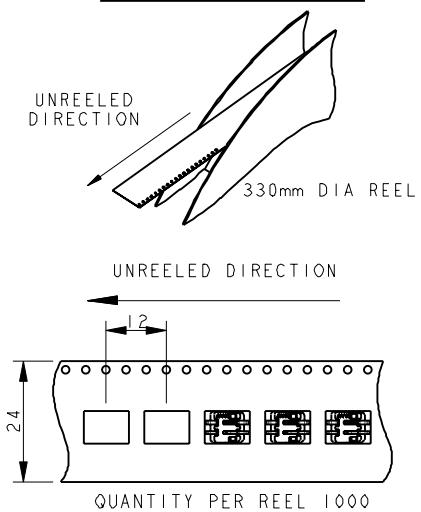


SECTION A-A



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PACKING DETAILS



QUANTITY PER REEL 1000

NOTES :-

1. THROUGH THE BOARD 2 WAY EDGE CARD CONNECTOR.
FOR FURTHER DETAILS REFER TO PRODUCT SPECIFICATION 201-01-136.
2. FOR MATING PCB EITHER 0.8mm OR 1.6mm THICK.
REFER TO SHEET 7 FOR MATING PCB DETAILS.
3. CONNECTOR TOP MOUNTING ON PCB.
4. UP TO 0.5mm RAD TO MATCH CONNECTOR PROFILE.
5. ALL DIMENSIONS ± 0.20 UNLESS TOLERANCE SPECIFIED.
6. INSULATOR :- PA4T, GLASS FILLED, HALOGEN FREE, UL94 V-0,
COLOUR REFER TO SHEET 1.
7. CONTACT :- COPPER ALLOY, NICKEL PLATED WITH GOLD
FLASH ON NOSE AND TIN ON TAILS.
8. BRACKET :- COPPER ALLOY, PLATING, TIN OVER NICKEL.
9. PACKING IN TAPE AND REEL, 1000 PIECES PER REEL.
10. CONTACT TAILS COPLANARITY WITHIN 0.10.
11. REFER TO SHEET 10 FOR MATCHING PROTECTING CAP.
12. UL REFERENCE E90723.

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3rd ANGLE
ALL DIMENSIONS
IN MILLIMETRES

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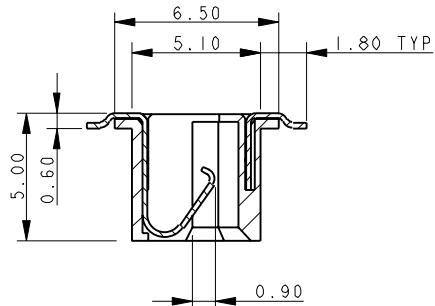
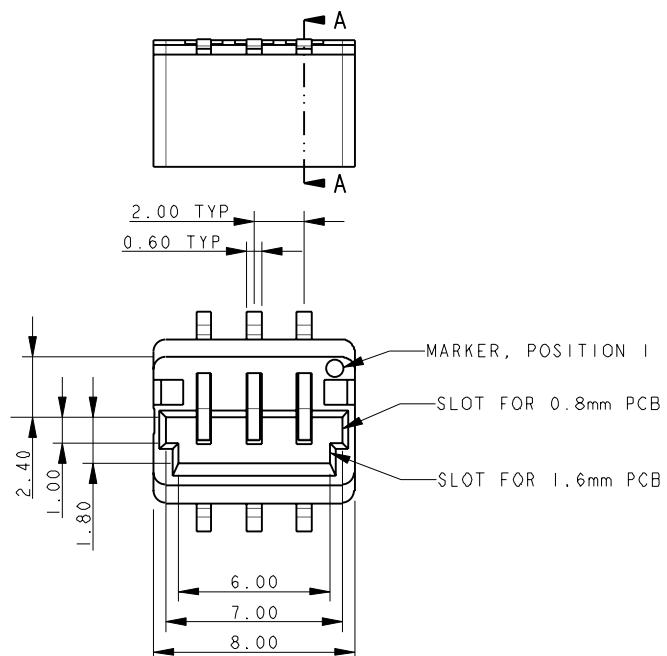
Drawn
N.C.H.
Size
CV

Description
9159 THROUGH BOARD - ORDERING CODE
Part Number
00-9159-01_500S

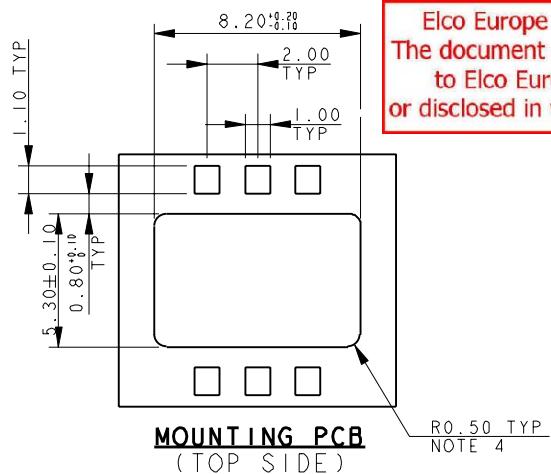
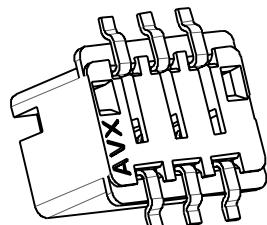
DATE
06-Jan-12
Issue
6



THROUGH THE BOARD MATING EDGE CARD CONNECTOR - 3 WAY

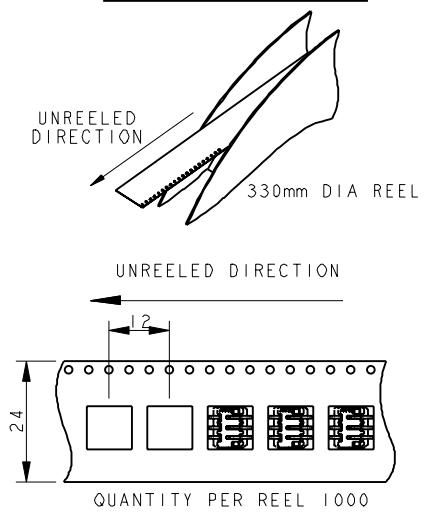


SECTION A-A



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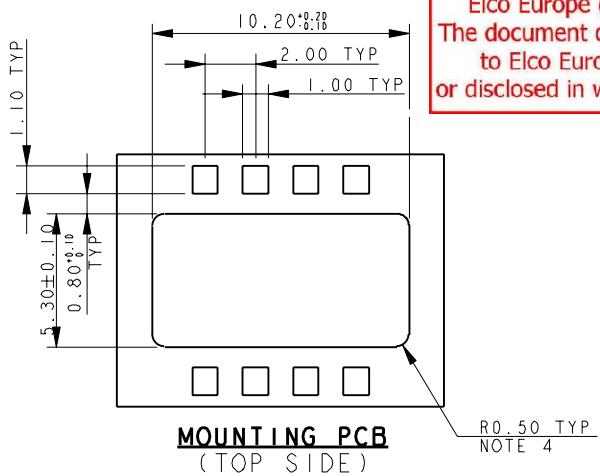
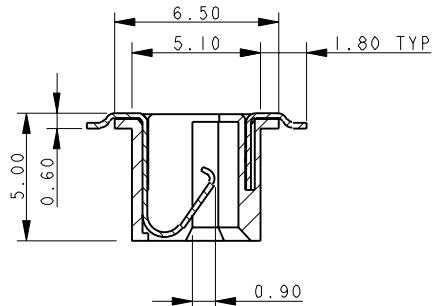
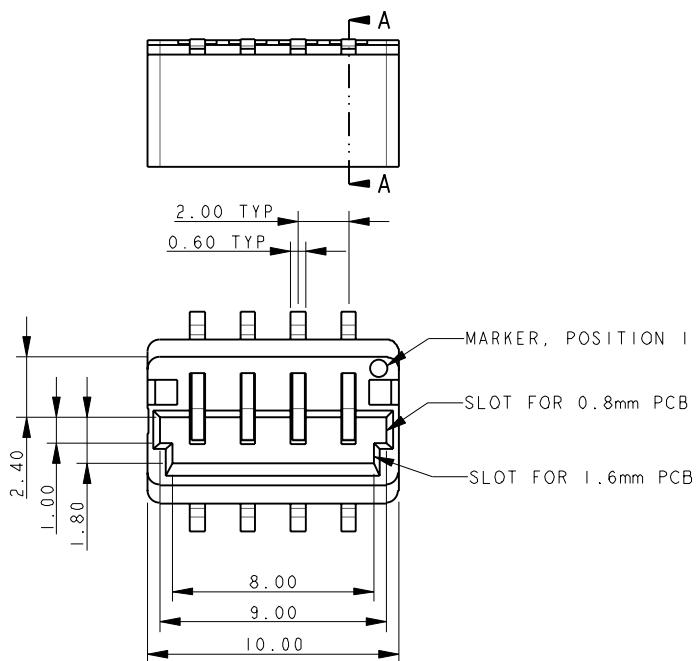
NOTES :-

1. THROUGH THE BOARD 3 WAY EDGE CARD CONNECTOR.
FOR FURTHER DETAILS REFER TO PRODUCT SPECIFICATION 201-01-136.
2. FOR MATING PCB EITHER 0.8mm OR 1.6mm THICK.
REFER TO SHEET 7 FOR MATING PCB DETAILS.
3. CONNECTOR TOP MOUNTING ON PCB.
4. UP TO 0.5mm RAD TO MATCH CONNECTOR PROFILE.
5. ALL DIMENSIONS ± 0.20 UNLESS TOLERANCE SPECIFIED.
6. INSULATOR :- PA4T, GLASS FILLED, HALOGEN FREE, UL94 V-0,
COLOUR REFER TO SHEET 1.
7. CONTACT :- COPPER ALLOY, NICKEL PLATED WITH GOLD
FLASH ON NOSE AND TIN ON TAILS.
8. BRACKET :- COPPER ALLOY, PLATING, TIN OVER NICKEL.
9. PACKING IN TAPE AND REEL, 1000 PIECES PER REEL.
10. CONTACT TAILS COPLANARITY WITHIN 0.10.
11. REFER TO SHEET 10 FOR MATCHING PROTECTING CAP.
12. UL REFERENCE E90723.

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THROUGH THE BOARD MATING EDGE CARD CONNECTOR - 4 WAY

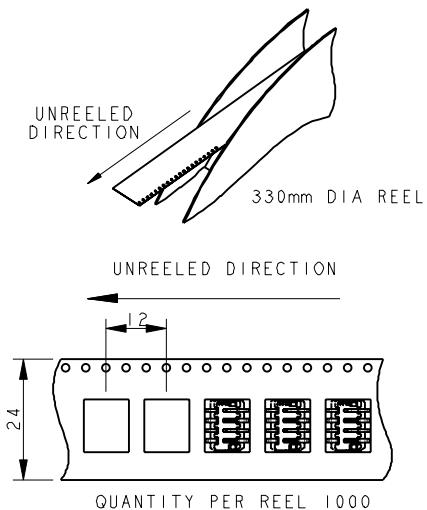


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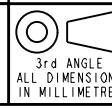
NOTES :-

1. THROUGH THE BOARD 4 WAY EDGE CARD CONNECTOR.
FOR FURTHER DETAILS REFER TO PRODUCT SPECIFICATION 201-01-136.
2. FOR MATING PCB EITHER 0.8mm OR 1.6mm THICK.
REFER TO SHEET 7 FOR MATING PCB DETAILS.
3. CONNECTOR TOP MOUNTING ON PCB.
4. UP TO 0.5mm RAD TO MATCH CONNECTOR PROFILE.
5. ALL DIMENSIONS ± 0.20 UNLESS TOLERANCE SPECIFIED.
6. INSULATOR :- PA4T, GLASS FILLED, HALOGEN FREE, UL94 V-0,
COLOUR REFER TO SHEET 1.
7. CONTACT :- COPPER ALLOY, NICKEL PLATED WITH GOLD
FLASH ON NOSE AND TIN ON TAILS.
8. BRACKET :- COPPER ALLOY, PLATING, TIN OVER NICKEL.
9. PACKING IN TAPE AND REEL, 1000 PIECES PER REEL.
10. CONTACT TAILS COPLANARITY WITHIN 0.10.
11. REFER TO SHEET 10 FOR MATCHING PROTECTING CAP.
12. UL REFERENCE E90723.

PACKING DETAILS



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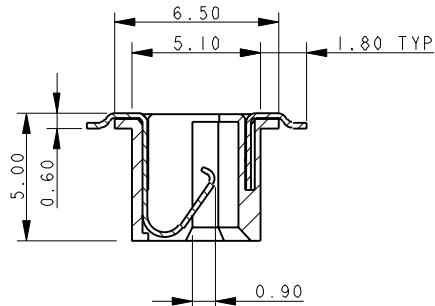
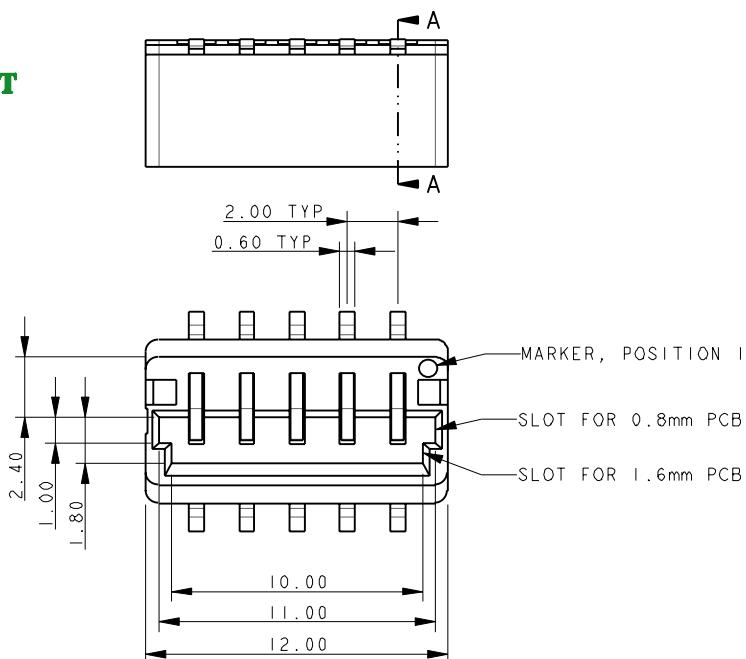
Drawn
N.C.H.
Size
CV

Description
9159 THROUGH BOARD - ORDERING CODE
Part Number
00-9159-01_500S

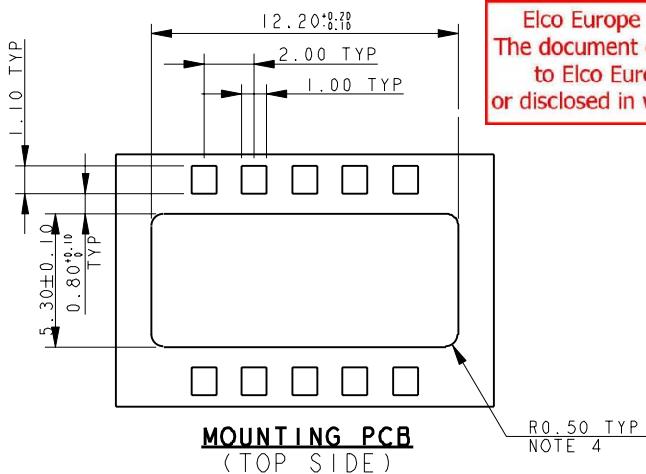
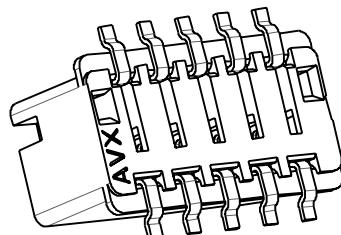
DATE
06-Jan-12
Issue
6



THROUGH THE BOARD MATING EDGE CARD CONNECTOR - 5 WAY



SECTION A-A



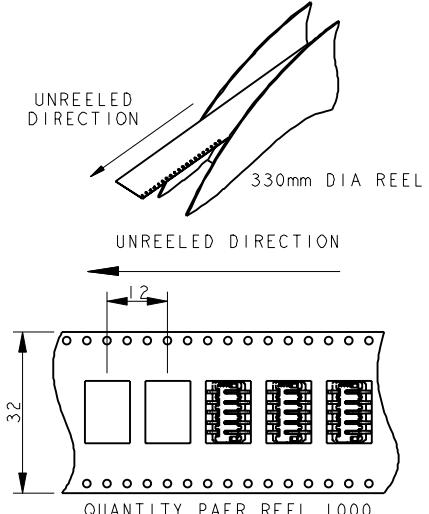
MOUNTING PCB
(TOP SIDE)

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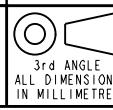
1. THROUGH THE BOARD 5 WAY EDGE CARD CONNECTOR.
FOR FURTHER DETAILS REFER TO PRODUCT SPECIFICATION 201-01-136.
2. FOR MATING PCB EITHER 0.8mm OR 1.6mm THICK.
REFER TO SHEET 7 FOR MATING PCB DETAILS.
3. CONNECTOR TOP MOUNTING ON PCB.
4. UP TO 0.5mm RAD TO MATCH CONNECTOR PROFILE.
5. ALL DIMENSIONS ± 0.20 UNLESS TOLERANCE SPECIFIED.
6. INSULATOR :- PA4T, GLASS FILLED, HALOGEN FREE, UL94 V-0,
COLOUR REFER TO SHEET 1.
7. CONTACT :- COPPER ALLOY, NICKEL PLATED WITH GOLD
FLASH ON NOSE AND TIN ON TAILS.
8. BRACKET :- COPPER ALLOY, PLATING, TIN OVER NICKEL.
9. PACKING IN TAPE AND REEL, 1000 PIECES PER REEL.
10. CONTACT TAILS COPLANARITY WITHIN 0.10.
11. REFER TO SHEET 10 FOR MATCHING PROTECTING CAP.
12. UL REFERENCE E90723.

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Release No.	History
1.02809	10.11.2011
	06.11.2012
	12.01.2012
	08.02.2012
	08.03.2012
	28.03.2012
	10.28.76
	26.04.2012
	10.28.9
	14.05.2012
	15.06.2012
	25.06.2012
	24.07.2012



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Drawn
N.C.H.
Size
CV

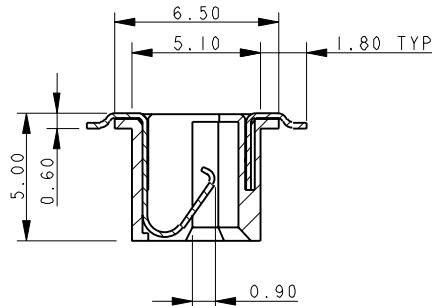
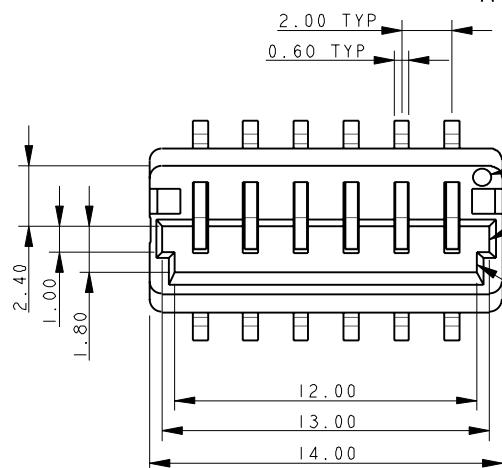
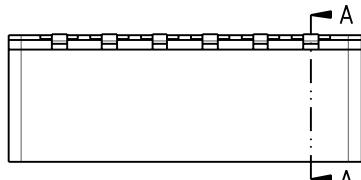
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9159 THROUGH BOARD - ORDERING CODE
Part Number
00-9159-01_500S

DATE
06-Jan-12
Issue
6

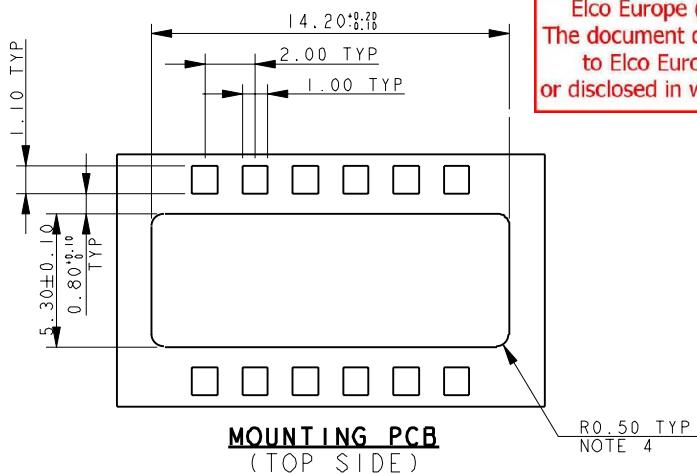
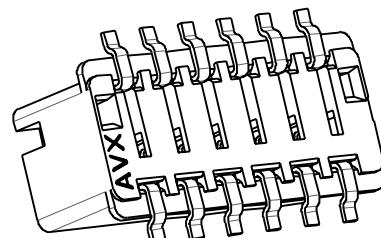


**RoHS
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THROUGH THE BOARD MATING EDGE CARD CONNECTOR - 6 WAY



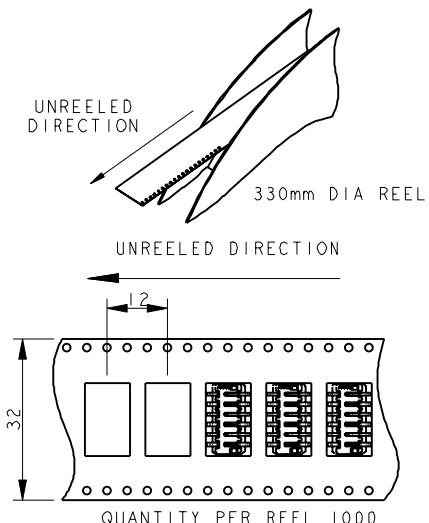
SECTION A-A



MOUNTING PCB
(TOP SIDE)

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QUANTITY PER REEL 1000

SHEET 6 OF 10

NOTES :-

1. THROUGH THE BOARD 6 WAY EDGE CARD CONNECTOR.
FOR FURTHER DETAILS REFER TO PRODUCT SPECIFICATION 201-01-136.
2. FOR MATING PCB EITHER 0.8mm OR 1.6mm THICK.
REFER TO SHEET 7 FOR MATING PCB DETAILS.
3. CONNECTOR TOP MOUNTING ON PCB.
4. UP TO 0.5mm RAD TO MATCH CONNECTOR PROFILE.
5. ALL DIMENSIONS ± 0.20 UNLESS TOLERANCE SPECIFIED.
6. INSULATOR :- PA4T, GLASS FILLED, HALOGEN FREE, UL94 V-0,
COLOUR REFER TO SHEET 1.
7. CONTACT :- COPPER ALLOY, NICKEL PLATED WITH GOLD
FLASH ON NOSE AND TIN ON TAILS.
8. BRACKET :- COPPER ALLOY, PLATING, TIN OVER NICKEL.
9. PACKING IN TAPE AND REEL, 1000 PICES PER REEL.
10. CONTACT TAILS COPLINARITY WITHIN 0.10.
11. REFER TO SHEET 10 FOR MATCHING PROTECTING CAP.
12. UL REFERENCE E90723.

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3rd ANGLE
ALL DIMENSIONS
IN MILLIMETRES

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Drawn
N.C.H.
Size
CV

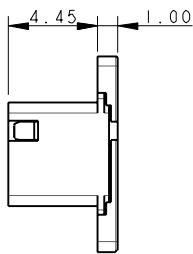
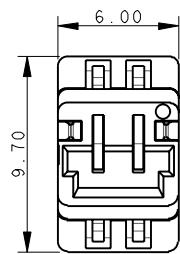
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9159 THROUGH BOARD - ORDERING CODE
Part Number
00-9159-01_500S

DATE
06-Jan-12
Issue
6

A

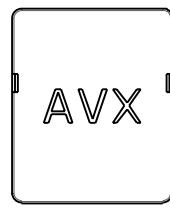
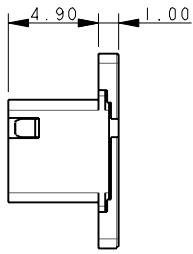
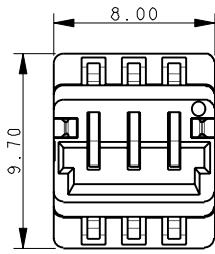
B

THROUGH THE BOARD MATING EDGE CARD CONNECTOR - WITH CAP
00-9159-00X-502-X06

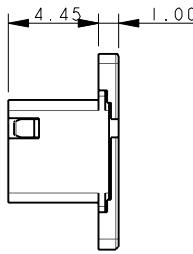
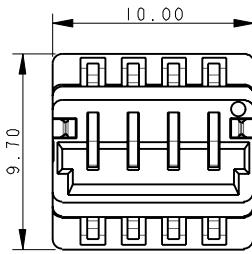


00-9159-002-502-906

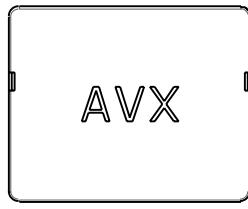
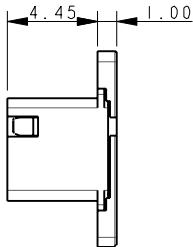
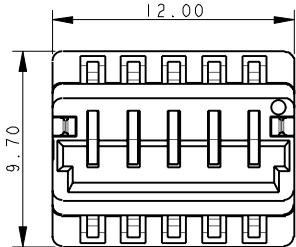
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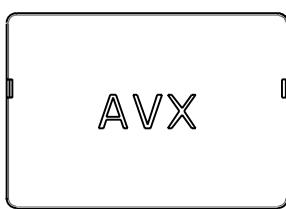
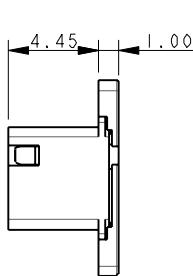
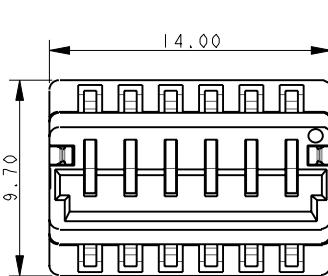
00-9159-003-502-906



00-9159-004-502-906



00-9159-005-502-906



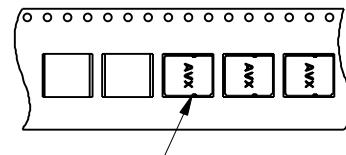
00-9159-006-502-906



**RoHS
COMPLIANT**

NOTES :-

1. 00-9159-00X-501-X06 WITH CAP SUPPLIED FITTED.
2. DRAWINGS SHOW OUTLINE DIMENSIONS OF THE 00-9159-00X-502-X06 ASSEMBLIES, ALL OTHER DETAILS ARE AS 00-9159-00X-501-X06 ON SHEETS 2 TO 6.
3. GENERAL TOLERANCE ± 0.20 .
4. PACKING ORIENTATION.
12. UL REFERENCE E90723.



NOTE 4

A

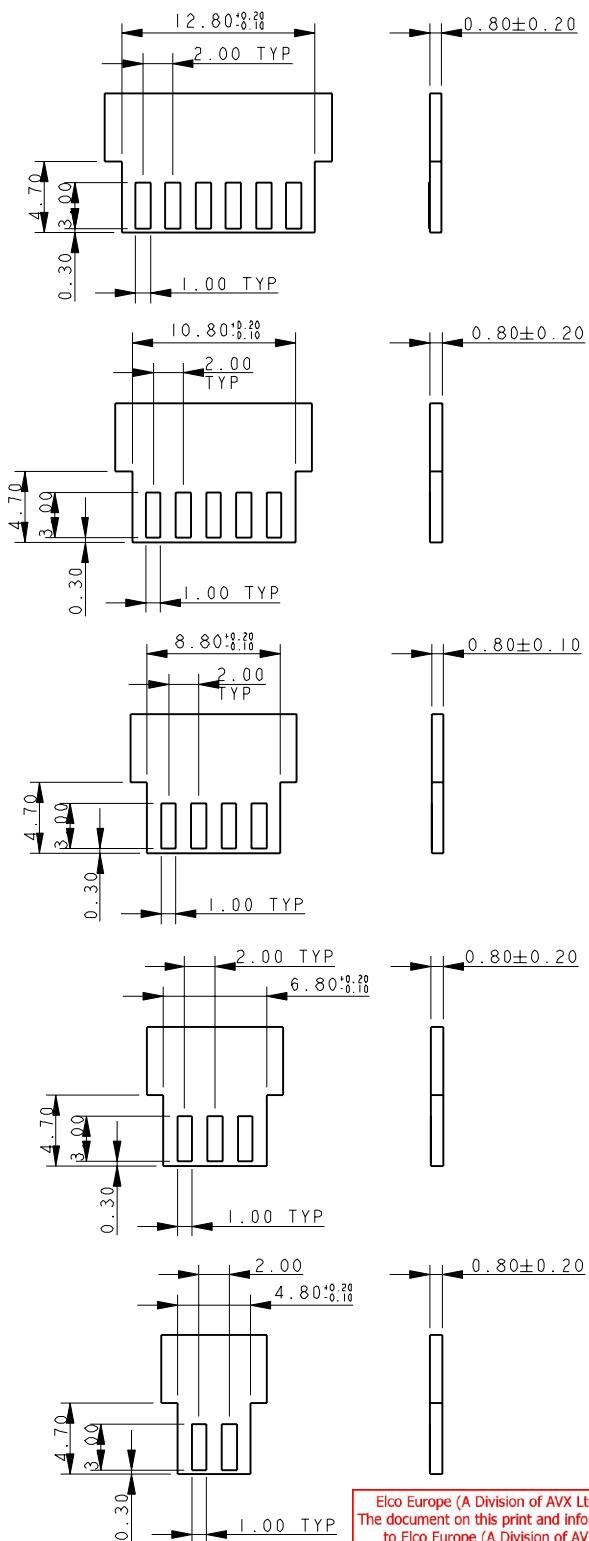
B

A

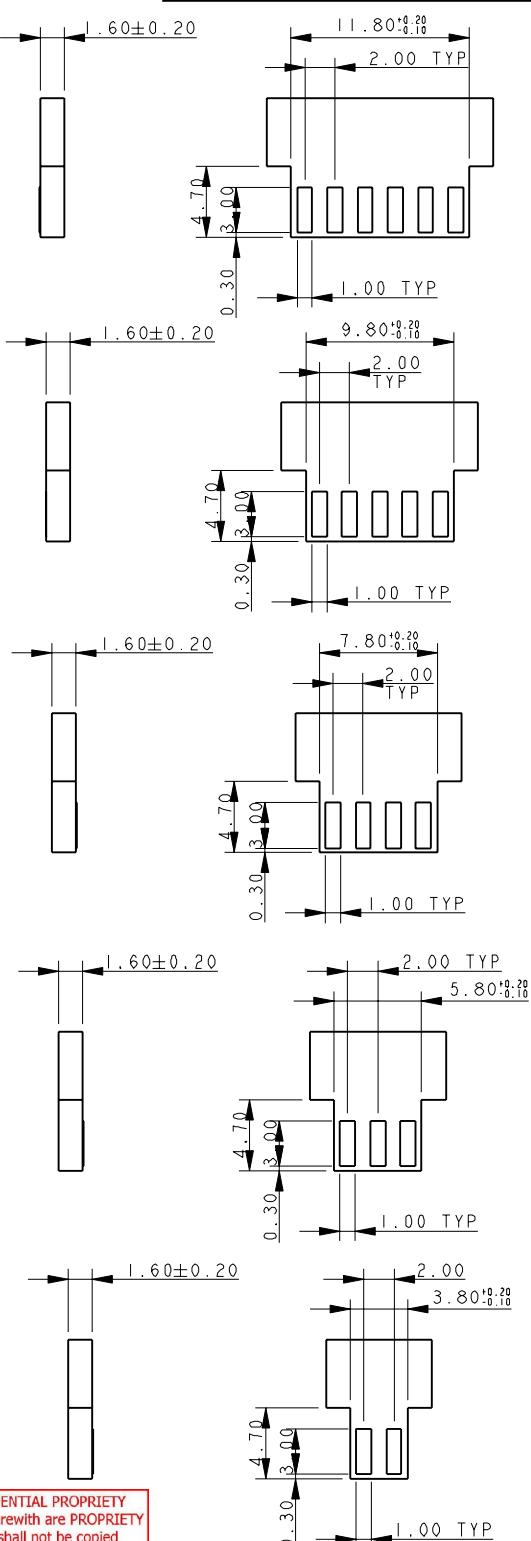
B

THROUGH THE BOARD MATING EDGE CARD CONNECTOR - MATING PCB

MATING PCB - 0.8mm PCB



MATING PCB - 1.6mm PCB



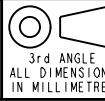
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NOTES :-

1. CORRECT DIMENSIONS FOR EITHER 0.80mm OR 1.60mm PCB THICKNESS MUST BE USED.
2. THICKNESS OF PCB INCLUDES ALL LAYERS INCLUDING COPPER AND PLATING.
3. PADS TO BE PLATED GOLD OVER NICKEL UNDERCOAT.
4. GENERAL TOLERANCE ± 0.10 UNLESS STATED.

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Release No. :
 History :
 1.02809
 10.11.2011
 06.11.2012
 12.01.2012
 08.02.2012
 08.03.2012
 28.03.2012
 1.02876
 26.04.2012
 1.02819
 14.05.2012
 15.06.2012
 26.06.2012
 24.07.2012



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Drawn
 N.C.H.
 Size
 CV

Description
 9159 THROUGH BOARD - ORDERING CODE
 Part Number
 00-9159-01_500S

DATE
 06-Jan-12
 Issue
 6



RoHS
 COMPLIANT

SHEET 8 OF 10

A

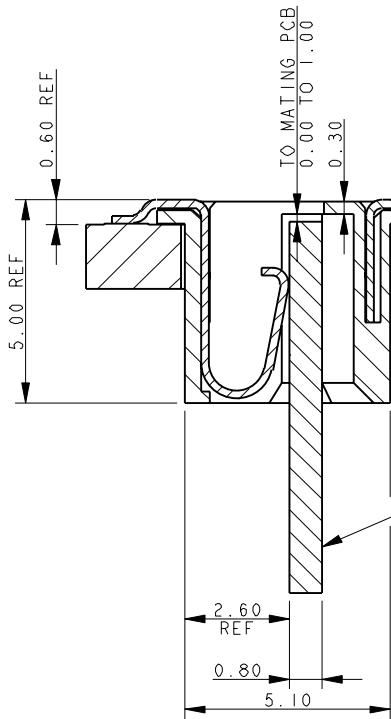
B



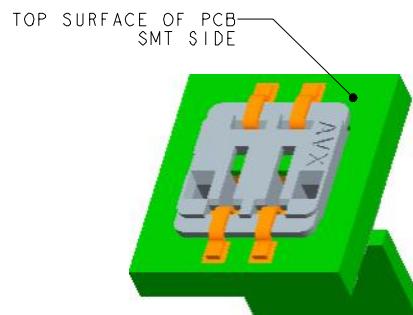
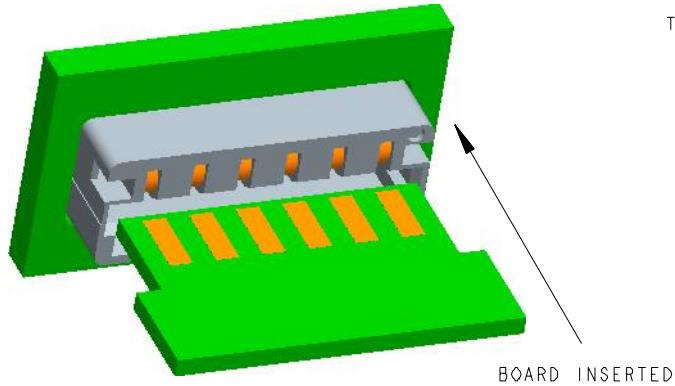
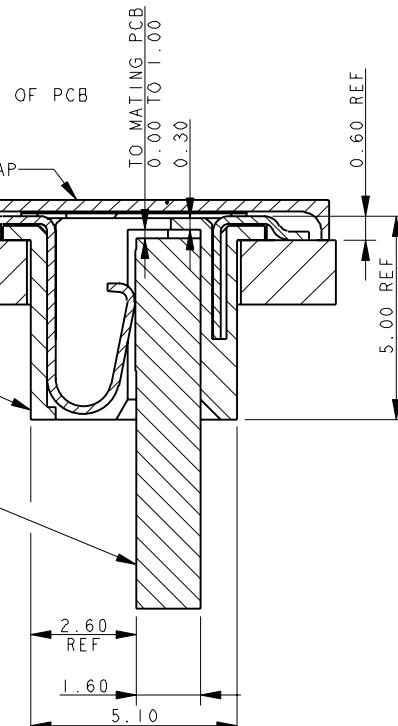
THROUGH THE BOARD MATING EDGE CARD CONNECTOR

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CONNECTOR/PCB ASSEMBLY
0.8mm MATING PCB
NO CAP



CONNECTOR/PCB ASSEMBLY
1.6mm MATING PCB
WITH CAP



NOTES :-

1. THROUGH THE BOARD EDGE CARD CONNECTOR.
2. FOR MATING PCB EITHER 0.8mm OR 1.6mm THICK.
 REFER TO SHEET 7 FOR MATING PCB DETAILS.
3. CONNECTOR TOP MOUNTING ON PCB.
4. PAD DETAILS ON THE MATING PCB ALLOW CONTACT TO BE MADE IN ANY POSITION FROM THE STOP FACE UP TO 1mm FROM THE STOP FACE.
5. GENERAL TOLERANCE ± 0.20 UNLESS STATED.

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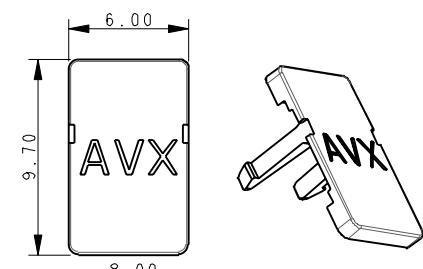
**RoHS
COMPLIANT**

A

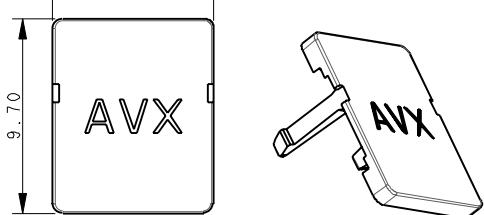
B

ACCESSORY - PROTECTING CAP

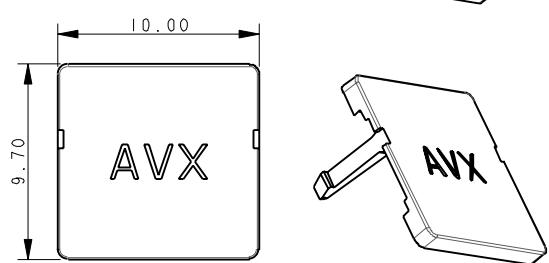
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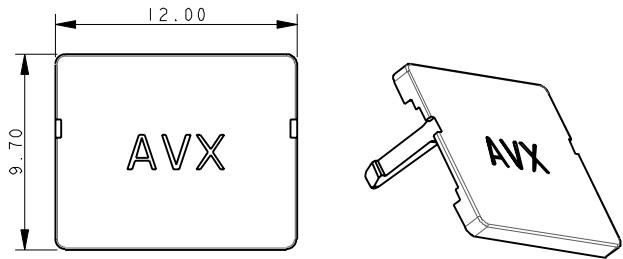
2 WAY
60-9159-3502-09-000



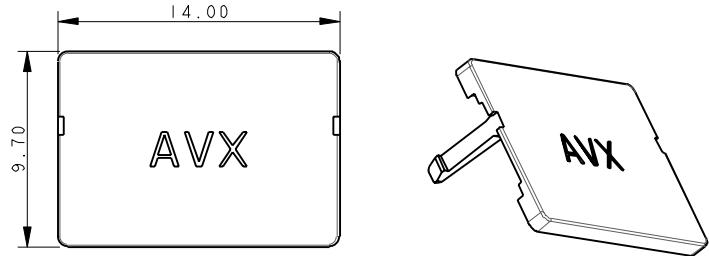
3 WAY
60-9159-3503-09-000



4 WAY
60-9159-3504-09-000



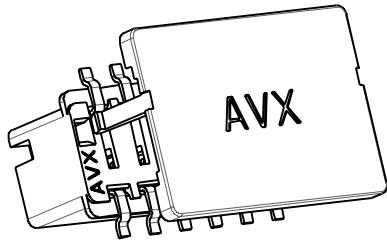
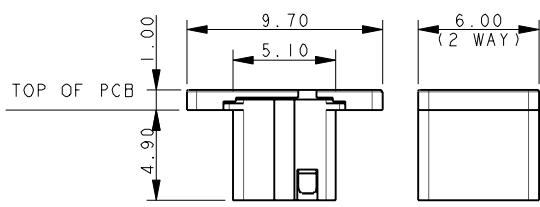
5 WAY
60-9159-3505-09-000



6 WAY
60-9159-3506-09-000

NOTES :-

1. PROTECTING CAP, ACCESSORY, NOT SUPPLIED WITH CONNECTOR.
2. CLIPS TO TOP OF CONNECTOR TO COVER ALL METAL COMPONENTS.
3. MATERIAL : PA4T, GLASS FILLED, HALOGEN FREE, UL94 V-0,
COLOUR CODE REFER TO SHEET 1, "X" IN PART NUMBER.
4. SUPPLIED IN BAGS OF 1000 PIECES.
5. GENERAL TOLERANCE ± 0.20 .
12. UL REFERENCE E90723.



ASSEMBLED CAP

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Drawn
N.C.H.

Size
CV

Description
9159 THROUGH BOARD - ORDERING CODE

Part Number
00-9159-01_500S

DATE
06-Jan-12

Issue
6

A

B

Mouser Electronics

Authorized Distributor

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