

1 2 3 4 5 6 7 8 9

REV	DATE	MODIFICATION DESCRIPTION	CHANGE
A0	2016.5.25	NEW DRAWING	

G

F

E

D

C

B

A

0

1

2

3

4

5

6

7

8

9

2,84±0.20

C±0.20

B±0.20

A±0.20

2,77

PIN 2

PIN 1

7,9±0.20

12,5±0.20

2-#4-40UNC

6±0.25

0.64sq

18,4±0.20

01 Type

02 Type

2,84±0.20

8,08±0.25

4,8

3,18±0.30

4,00±0.30

Ordering Information

DS-AR F XX XX B XX

Connector Type

No. of Pins

Contact Plating

Color

Type

F=Female

M=Male

09,15,25,37P

S0:Gold Flash/Tin

G0:Gold Flash

B=Black

W=White

01=01 Type

02=02 Type

EDGE OF P.C. BOARD

RECOMMENDED P.C.B LAYOUT (TOP VIEW)

TOLERANCES: ±0.05mm

POSITION	A	B	C	D	E
09 (M, P, Q, A)	16.33	25.00	30.8	08.31	11.08
15 (M, P, Q, A)	24.80	33.30	39.2	16.62	19.39
25 (M, P, Q, A)	38.33	47.10	53.2	30.47	33.24
37 (M, P, Q, A)	54.89	63.50	69.4	47.09	49.86

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411

Detailed technical drawing of a D-sub connector assembly, showing top, side, and cross-sectional views. The drawing includes dimensions for various components and materials.

Top View Dimensions:

- C ± 0.20
- B ± 0.20
- A ± 0.20
- 7.9 ± 0.20
- 12.5 ± 0.20
- 2.84 ± 0.20
- PIN 2
- PIN 1
- 2.77
- 6 ± 0.25
- 18.4 ± 0.20
- 0.64sq
- 2-#4-40UNC
- B ± 0.20
- E ± 0.20
- D ± 0.20
- Ø 3.2
- 2.84
- 8.08
- Ø 1.09
- 1.42

Side View Dimensions:

- 8.08 ± 0.25
- 4.8
- 3.18 ± 0.30
- 4.00 ± 0.30
- 01 Type

Cross-sectional View Dimensions:

- 02 Type

MATERIALS AND FINISH

- SHELL : STEEL MATERIAL, NICKEL FINISHED
- INSULATOR : PBT THERMOPLASTIC, 30% GLASS FILLED, UL 94V-0 RATED, BLACK COLOR
- CONTACT MATERIAL : BRASS
- CONTACT FINISH : SELECTIVE GOLD FLASH
- GROUNDING BRACKET : BRASS MATERIAL, TIN FINISHED
- RIVETED INSERT : BRASS MATERIAL , NICKEL FINISHED
- JACK SCREWS : BRASS MATERIAL , NICKEL FINISHED WITH #4-40 THREADED ASSEMBLED

ELECTRICAL CHARACTERISTICS

- CONTACT CURRENT RATING : 5.0 AMPS
- CONTACT RESISTANCE : 30 MILLIOHMS MAX.
- DIELECTRIC WITHSTANDING VOLTAGE : 1000 V AC MIN.
- INSULATION RESISTANCE : 5000 MEGAOHMS MIN.
- TEMPERATURE RATING : -55°C ~ +105°C

Ordering Information

DS-AR F XX XX B XX

- Connector Type: DS-AR F XX XX B XX
- No. of Pins: 09, 15, 25, 37P
- Contact Plating: S0: Gold Flash/Tin, G0: Gold Flash
- Color: B=Black, W=White
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TOLERANCES: ±0.05mm

POSITION	A	B	C	D	E
09 (M, P, Q, A)	16.33	25.00	30.8	08.31	11.08
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OPERATION

SCALE

NTS

TITLE: D-sub connector 9P/15P/25P/37P Female R/A

PRODUCT CUSTOMER DRAWING

CHECK

APPROVE

THIRD ANGLE PROJECTION

CUSTOMER PART NO.

CUSTOMER

SHEET NUMBER

1 OF 1

1 2 3 4 5 6 7 8 9

REV	DATE	MODIFICATION DESCRIPTION	CHANGE
A0	2016.5.25	NEW DRAWING	

RoHS

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Color: B=Black, W=White
Type: 01=01 Type, 02=02 Type

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DRAW	David	OPERATION	SCALE	NTS	TITLE: D-sub connector 9P/15P/25P/37P Female R/A
CHECK	Anna	X.X ±0.30	UNIT	mm	PRODUCT CUSTOMER DRAWING
APPROVE	Hey	X.XX ±0.20 X.XXX ±0.10	SIZE	A4	PART NO. DS-ARFXXXXBXX
		Angle ±3° DIM TOL	THIRD ANGLE PROJECTION		CUSTOMER PART NO. CUSTOMER SHEET NUMBER 1 OF 1

[illegible]

1 2 3 4 5 6 7 8 9

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B

A

1 2 3 4 5 6 7 8 9

2,84±0.20

C±0.20

B±0.20

A±0.20

2,77

PIN 2

PIN 1

7,9±0.20

12,5±0.20

02 Type

2-#4-40UNC

6±0.25

18,4±0.20

0.64sq

8,08±0.25

2,84±0.20

4,8

3,18±0.30

4,00±0.30

01 Type

B±0.20

E±0.20

D±0.20

Ø3,2

2,84

8,08

Ø1,09

1,42

EDGE OF P.C. BOARD

RECOMMENDED P.C.B LAYOUT (TOP VIEW)

TOLERANCES: ±0.05mm

MATERIALS AND FINISH

SHELL : STEEL MATERIAL, NICKEL FINISHED
INSULATOR : PBT THERMOPLASTIC, 30% GLASS
FILLED, UL 94V-0 RATED, BLACK COLOR
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JACK SCREWS : BRASS MATERIAL, NICKEL FINISHED
WITH #4-40 THREADED ASSEMBLED

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Ordering Information

DS-AR F XX XX B XX

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DRAW	David	OPERATION	SCALE	NTS	TITLE: D-sub connector 9P/15P/25P/37P Female R/A			
CHECK	Anna	X.X	±0.30	UNIT	mm	PRODUCT CUSTOMER DRAWING		
APPROVE	Hey	X.XX	±0.20	SIZE	A4	PART NO. DS-ARFXXXXBXX	DOC PART 001	REVISION A0
		X.XXX	±0.10			CUSTOMER PART NO.	CUSTOMER	SHEET NUMBER 1 OF 1
		Angle	±3°	THRD ANGLE PROJECTION				
		DIM	TOL					

1 2 3 4 5 6 7 8 9

1 2 3 4 5 6 7 8 9

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2,84±0.20

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2,77

PIN 2

PIN 1

7,9±0.20

12,5±0.20

2-#4-40UNC

6±0.25

18,4±0.20

0.64sq

8,08±0.25

2,84±0.20

4,8

3,18±0.30

4,00±0.30

01 Type

02 Type

0.64sq

B±0.20

E±0.20

D±0.20

2,84

8,08

Ø1.09

1,42

Ø3,2

EDGE OF P.C. BOARD

RECOMMENDED P.C.B LAYOUT (TOP VIEW)

TOLERANCES: ±0.05mm

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WITH #4-40 THREADED ASSEMBLED

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Connector Type: F=Female, M=Male
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Contact Plating: S0:Gold Flash/Tin, G0:Gold Flash
Color: B=Black, W=White
Type: 01=01 Type, 02=02 Type

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POSITION	A	B	C	D	E
09 (M, P, Q, A)	16.33	25.00	30.8	08.31	11.08
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DRAW	David	OPERATION	SCALE	NTS	TITLE: D-sub connector 9P/15P/25P/37P Female R/A
CHECK	Anna	X.X ±0.30	UNIT	mm	PRODUCT CUSTOMER DRAWING
APPROVE	Hey	X.XX ±0.20	SIZE	A4	PART NO. DS-ARFXXXXBXX
		X.XXX ±0.10			DOC PART 001
		Angle ±3°			REVISION A0
		DIM TOL			CUSTOMER PART NO.
					CUSTOMER SHEET NUMBER 1 OF 1

1 2 3 4 5 6 7 8 9

1 2 3 4 5 6 7 8 9

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DS-AR F XX XX B XX

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POSITION	A	B	C	D	E
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DRAW	David	OPERATION	SCALE	NTS	TITLE: D-sub connector 9P/15P/25P/37P Female R/A
CHECK	Anna	X.X ±0.30	UNIT	mm	PRODUCT CUSTOMER DRAWING
APPROVE	Hey	X.XX ±0.20 X.XXX ±0.10	SIZE	A4	PART NO. DS-ARFXXXXBXX DOC PART 001 REVISION A0
		Angle ±3° DIM TOL	THIRD ANGLE PROJECTION		CUSTOMER PART NO. CUSTOMER SHEET NUMBER 1 OF 1

	1	2	3	4	5	6	7	8	9																												
G							<table border="1"><thead><tr><th>REV</th><th>DATE</th><th>MODIFICATION DESCRIPTION</th><th>CHANGE</th></tr></thead><tbody><tr><td>A0</td><td>2016.5.25</td><td>NEW DRAWING</td><td></td></tr></tbody></table>			REV	DATE	MODIFICATION DESCRIPTION	CHANGE	A0	2016.5.25	NEW DRAWING		G																			
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JACK SCREWS : BRASS MATERIAL , NICKEL FINISHED WITH #4-40 THREADED ASSEMBLED

ELECTRICAL CHARACTERISTICS

CONTACT CURRENT RATING : 5.0 AMPS
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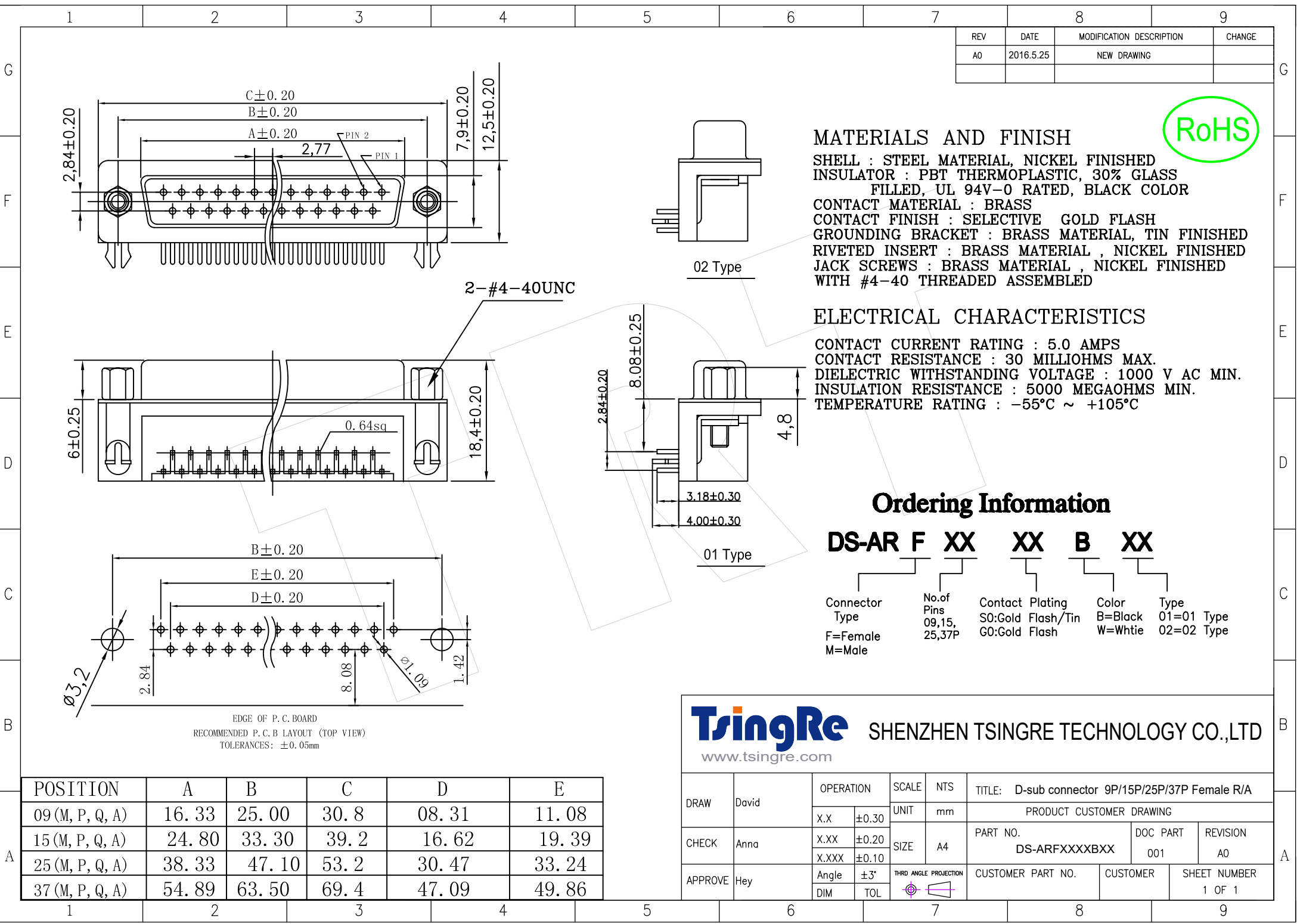
Ordering Information

DS-AR F XX XX B XX

Connector Type	No.of Pins	Contact Plating	Color	Type
F=Female M=Male	09,15, 25,37P	S0:Gold Flash/Tin G0:Gold Flash	B=Black W=White	01=01 Type 02=02 Type

TsingRe SHENZHEN TSINGRE TECHNOLOGY CO.,LTD
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CHECK	Anna	X.X	±0.30	UNIT	mm	PRODUCT CUSTOMER DRAWING		
		X.XX	±0.20	SIZE	A4	PART NO.	DOC PART	REVISION
APPROVE	Hey	X.XXX	±0.10			DS-ARFXXXXBXX	001	A0
		Angle	±3°	THIRD ANGLE PROJECTION		CUSTOMER PART NO.	CUSTOMER	SHEET NUMBER
		DIM	TOL					1 OF 1



1 2 3 4 5 6 7 8 9

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0.64sq

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01 Type

02 Type

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8,08±0.25

4,8

3,18±0.30

4,00±0.30

B±0.20

E±0.20

D±0.20

2,84

8,08

Ø1,09

1,42

Ø3,2

EDGE OF P.C. BOARD

RECOMMENDED P.C.B LAYOUT (TOP VIEW)

TOLERANCES: ±0.05mm

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POSITION	A	B	C	D	E
09 (M, P, Q, A)	16.33	25.00	30.8	08.31	11.08
15 (M, P, Q, A)	24.80	33.30	39.2	16.62	19.39
25 (M, P, Q, A)	38.33	47.10	53.2	30.47	33.24
37 (M, P, Q, A)	54.89	63.50	69.4	47.09	49.86

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DRAW	David	OPERATION	SCALE	NTS	TITLE: D-sub connector 9P/15P/25P/37P Female R/A		
CHECK	Anna	X.X	±0.30	UNIT	mm	PRODUCT CUSTOMER DRAWING	
		X.XX	±0.20	SIZE	A4	PART NO. DS-ARFXXXXBXX	DOC PART 001
APPROVE	Hey	X.XXX	±0.10	THRD ANGLE PROJECTION	CUSTOMER PART NO.	CUSTOMER	SHEET NUMBER 1 OF 1
		Angle ±3°	DIM TOL				

1 2 3 4 5 6 7 8 9

REV	DATE	MODIFICATION DESCRIPTION	CHANGE
A0	2016.5.25	NEW DRAWING	

RoHS

MATERIALS AND FINISH

SHELL : STEEL MATERIAL, NICKEL FINISHED
INSULATOR : PBT THERMOPLASTIC, 30% GLASS
FILLED, UL 94V-0 RATED, BLACK COLOR
CONTACT MATERIAL : BRASS
CONTACT FINISH : SELECTIVE GOLD FLASH
GROUNDING BRACKET : BRASS MATERIAL, TIN FINISHED
RIVETED INSERT : BRASS MATERIAL, NICKEL FINISHED
JACK SCREWS : BRASS MATERIAL, NICKEL FINISHED
WITH #4-40 THREADED ASSEMBLED

ELECTRICAL CHARACTERISTICS

CONTACT CURRENT RATING : 5.0 AMPS
CONTACT RESISTANCE : 30 MILLIOHMS MAX.
DIELECTRIC WITHSTANDING VOLTAGE : 1000 V AC MIN.
INSULATION RESISTANCE : 5000 MEGAOHMS MIN.
TEMPERATURE RATING : -55°C ~ +105°C

Ordering Information

DS-AR F XX XX B XX

Connector Type: F=Female, M=Male
No. of Pins: 09, 15, 25, 37P
Contact Plating: S0:Gold Flash/Tin, G0:Gold Flash
Color: B=Black, W=White
Type: 01=01 Type, 02=02 Type

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