

4

3

2

1

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REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
A2		REVISE PER ECR-18013124	23AUG2018	E.Z	W.H

0.15 MAX
4 PLC

2.28

1.00
4 PLC

TE LOGO

R0.50±0.10
4 PLC

POSITION #17

POSITION #18

CAVITY ID

MATERIAL IDENTIFIER

6

1.69

POSITION #2

2.25

4.16

POSITION #1

Ø2.72±0.03

Ø0.15 M A B C

0.35±0.13

Ø0.15 S A B C

0.15±0.05
2 PLC

45° CHAMFER
2 PLC

7.95

8.55

0.43±0.05
2 PLC

4 -A-

Ø1.20±0.03
-B-

0.10 S A B C

3.17
2 PLC

3.17
2 PLC

0.35

Ø0.15 S A B C

8.40±0.03

0.80

0.40

11.78

1.69

1.15 REF
4 PLC

8.32

3.49
2 PLC

0.69±0.13
18 PLC

9.70 REF

Ø1.20±0.03
-C-

1.20
16 PLC

1.09

5.32^{+0.43}_{-0.12}
(FREE STATE)

0.30 X 45°
CHAMFER

7.38

6.68

2.80

SEE DETAIL C

0.50±0.12
18 PLC

0.20
MIN

0.20

0.10 A
18PLC

SEE DETAIL B

SECTION Y - Y
SCALE 9:2

8	9	10	1735186-5
MATERIAL	CONTACT FINISH	PART NO.	

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN JONE JI 16JAN2015	TE Connectivity	
DIMENSIONS: mm		CHK WENKE HE 16JAN2015		
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD WENKE HE 16JAN2015	NAME 18P COMPRESSION CONNECTOR	
0 PLC ±-		PRODUCT SPEC 108-51098	-	
1 PLC ±0.20		APPLICATION SPEC -	-	
2 PLC ±0.08		SIZE A300779	CAGE CODE C=1735186	DRAWING NO
3 PLC ±-		WEIGHT -	RESTRICTED TO -	
4 PLC ±-		RESTRICTED CUSTOMER		
ANGLES ±1°		SCALE 6:1 SHEET 1 OF 2 REV A2		
MATERIAL SEE TABLE	FINISH SEE TABLE			

1470-19 (3/13)

4

3

2

1

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NOTES:

1 MATERIAL:
HOUSING: PPS, RYTON R4-230NA
CONTACT: PHOS BRONZE

2 FINISH:
UNDERPLATE: 1.27~2.54um NICKEL
OVERPLATE: 3.84um MIN MATTE TIN

3. PACKAGING: TAPE AND REEL

4 DATUM -A- IS DEFINED AS THE MIN. OF THREE CORNERS OF HOUSING

5. SURFACE AREA FOR REFERENCE:
1541 SQmm

6 CONTACT RETENTION FORCE SHALL BE 225g MIN. IN DIRECTION SHOWN

7 FINISH:
UNDERPLATE: 1.27~2.54um NICKEL
OVERPLATE: 0.051~0.254um GOLD PLATING WITH 0.076um MIN AT CONTACT MATING AREA

8 MATERIAL:
HOUSING: LCP, 30% - 40% GF, COLOUR: BLACK
CONTACT: PHOS BRONZE

9 HALOGEN-FREE

10 FINISH:
UNDERPLATE : 1.27um~2.54um NICKEL
OVERPLATE : 0.076um MIN OF GOLD PLATING AT MATING AREA DEFINED AS THE SURFACE OF CONTACT BETWEEN POINT A AND POINT B.
0.051~0.254um OF GOLD PLATING AT SOLDER TAIL AREA DEFINED AS THE SURFACE OF CONTACT FROM POINT C TO POINT D AND POINT E TO POINT F,

HOUSING 1 8

CONTACT 1 2 8

ISOMETRIC VIEW
SCALE 5:1

POINT A POINT B

DETAIL B
SCALE 10:1

POINT C POINT F

POINT D POINT E

DETAIL C
SCALE 12:1

1.00 MIN REF

REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
SEE SHEET 1 OF 2					

0.60

2.32

6.32
2 PLC

8.40±0.05

1.32
2 PLC

1.52 TYP

1.20 TYP

0.90 TYP

RECOMMENDED SOLDER PAD LAYOUT

1.00 TYP

3.00

3.00

3.00 TYP

Ø2.83

0.60

1.20 TYP

RECOMMENDED MATING PAD LAYOUT

THIS DRAWING IS A CONTROLLED DOCUMENT.

DWN JONE JI 16JAN2015

CHK WENKE HE 16JAN2015

APVD WENKE HE 16JAN2015

PRODUCT SPEC

108-51098

APPLICATION SPEC

WEIGHT

RESTRICTED CUSTOMER

TE Connectivity

NAME 18P COMPRESSION CONNECTOR

SIZE CAGE CODE DRAWING NO

A300779 C=1735186

RESTRICTED TO

-

DIMENSIONS:

mm

TOLERANCES UNLESS OTHERWISE SPECIFIED:

0 PLC	±-
1 PLC	±0.20
2 PLC	±0.08
3 PLC	±-
4 PLC	±-
ANGLES	±1°

MATERIAL

SEE TABLE

FINISH

SEE TABLE

SCALE 6:1 SHEET 2 OF 2 REV A2

1470-19 (3/13)

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