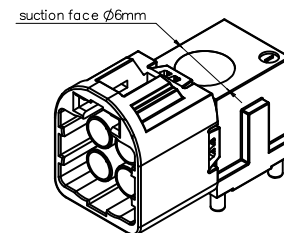
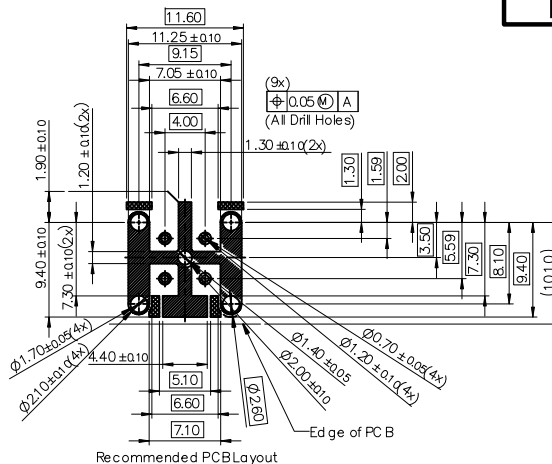


APPROVED: \_\_\_\_\_

DATE: \_\_\_\_\_ TITLE: \_\_\_\_\_

| Rev | AWO # | Description     | Date     | Appr  |
|-----|-------|-----------------|----------|-------|
| -   |       | RELEASED        | 9/13/21  |       |
| A   |       | ADDED PAGE 2    | 10/12/21 | LH/RC |
| B   |       | ADDED PACKING   | 10/15/21 | LH/RC |
| C   |       | UPDATED DRAWING | 6/8/22   | JJ/JL |
| D   |       | UPDATED SPEC.   | 11/7/22  | LH/RC |



#### SPECIFICATIONS:

##### Material:

Insulator: Hi-Temp Thermoplastic, rated UL 94V-0

Center Contacts: Brass

Outer Contacts (Interface): Stainless steel, Matte Tin plated

Shell: Zamak, Tin Plated

Outer Contact Sheet: Brass, Matte Tin plated

Contact Plating:

Contact area: 6u" Gold Plated

Solder tails area: 80-160u" Matte Tin Plated

Underplate: 80-160u" Nickel underplate overall

##### Electrical:

Working voltage: ≤ 60 VDC

Power Current : ≤ 1A DC

Impedance: 50Ω

Frequency: DC to 9 GHz

Center Contact Resistance: ≤ 15m Ω

Outer Contact Resistance: ≤ 7.5m Ω

Insulation resistance: ≥ 1000 MΩ

Dielectric withstanding voltage: 800 Vrms

##### Mechanical:

Mating Cycles: ≥ 25 Cycles

Engagement force: ≥ 45N

Disengagement force: ≥ 5N

Retention Force Latch: ≥ 110N

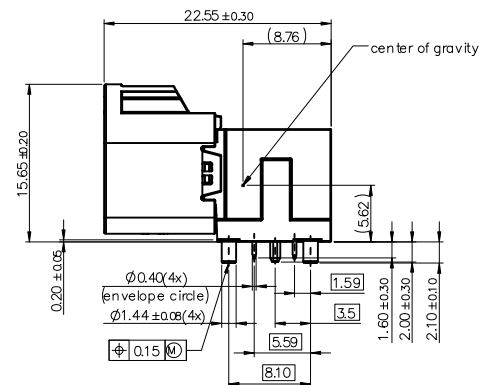
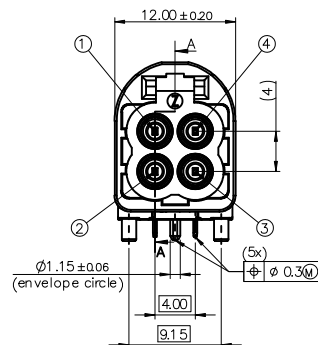
Coding Efficiency: ≥ 150N

Temperature Rating:

-40°C to +105°C

Environmental:

Lead free, RoHS compliant



#### PACKAGED ON TAPE & REEL

UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE MILLIMETERS. TOLERANCES: EXCEPT AS NOTED

|     | MM     | ANGLE |
|-----|--------|-------|
| X.  | ± 0.50 | ± 5°  |
| .X  | ± 0.30 |       |
| .XX | ± 0.20 |       |

|          |    |         |
|----------|----|---------|
| DRAWN    | JJ | 9/13/21 |
| CHECKED  | KC | 9/13/21 |
| APPROVED |    |         |

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**ADAM TECH**

909 Rahway Avenue,  
Union, NJ 07083  
Phone: 908-687-5000  
Fax: 908-687-5710

|              |            |                             |  |        |
|--------------|------------|-----------------------------|--|--------|
| TITLE        |            | MINI FAKRA RIGHT ANGLE PLUG |  |        |
| SIZE         | PART NO.   | MHSD-04X-AM-PRX-T/R         |  | REV. D |
| REF: S00013T | SCALE: NTS | SHEET 1 OF 4                |  |        |

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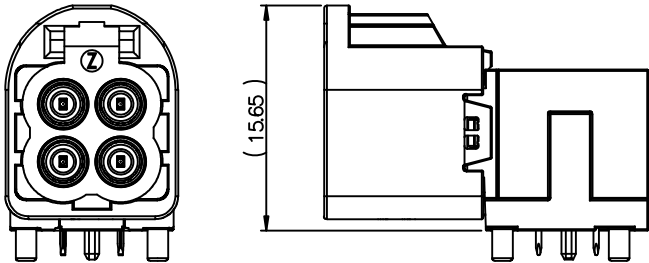
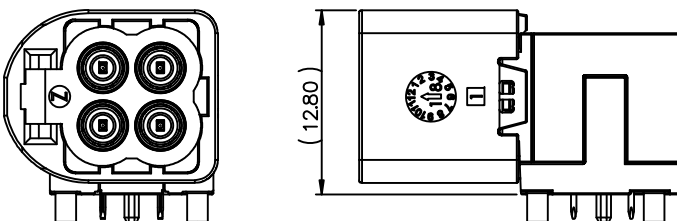
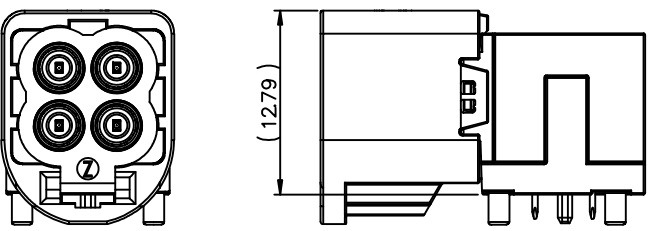
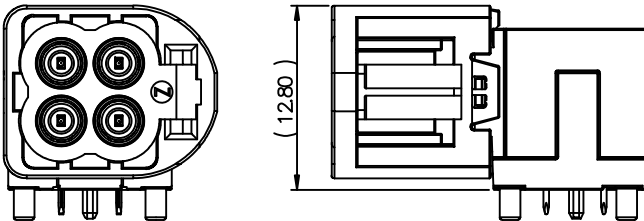
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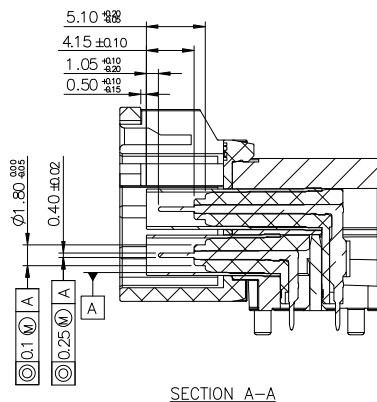
APPROVED: \_\_\_\_\_

DATE: \_\_\_\_\_ TITLE: \_\_\_\_\_

Rev AWO # Description Date Appr

SEE SHT 1 OF 4 FOR REVISION

| PartNumber | MHSD-04X-AM-PRA-T/R                                                                 | MHSD-04X-AM-PRC-T/R                                                                  |
|------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| Direction  | STANDARD ORIENTATION                                                                | 90° ORIENTATION                                                                      |
|            |   |   |
| PartNumber | MHSD-04X-AM-PRB-T/R                                                                 | MHSD-04X-AM-PRD-T/R                                                                  |
| Direction  | 180° ORIENTATION                                                                    | 270° ORIENTATION                                                                     |
|            |  |  |



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|     |        |       |
|-----|--------|-------|
|     | MM     | ANGLE |
| X.  | ± 0.50 | ± 5°  |
| .X  | ± 0.30 |       |
| .XX | ± 0.20 |       |

|          |    |         |
|----------|----|---------|
| DRAWN    | JJ | 9/13/21 |
| CHECKED  | KC | 9/13/21 |
| APPROVED |    |         |

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Union, NJ 07083  
Phone: 908-687-5000  
Fax: 908-687-5710TITLE  
MINI FAKRA RIGHT ANGLE PLUG

|              |                                 |              |
|--------------|---------------------------------|--------------|
| SIZE<br>X    | PART NO.<br>MHSD-04X-AM-PRX-T/R | REV.<br>D    |
| REF: S00013T | SCALE: NTS                      | SHEET 2 OF 4 |

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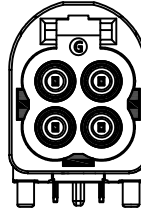
APPROVED: \_\_\_\_\_

DATE: \_\_\_\_\_ TITLE: \_\_\_\_\_

|     |       |             |      |      |
|-----|-------|-------------|------|------|
| Rev | AWO # | Description | Date | Appr |
|-----|-------|-------------|------|------|

SEE SHT 1 OF 4 FOR REVISION

MHSD-04X-AM-PRX-T/R

| Coding | A                                                                                  | B                                                                                 | C                                                                                  | D                                                                                   | E                                                                                   | F                                                                                   | G                                                                                   |
|--------|------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Plug   |   |  |  |  |  |  |  |
| Color  | BLACK                                                                              | WHITE                                                                             | BLUE                                                                               | CLARET VIOLET                                                                       | GREEN                                                                               | BROWN                                                                               | PLATINUM GREY                                                                       |
| Coding | Z                                                                                  |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Plug   |  |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Color  | WATER BLUE                                                                         |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |

UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS  
ARE MILLIMETERS. TOLERANCES: EXCEPT AS NOTED

|     |        |       |
|-----|--------|-------|
|     | MM     | ANGLE |
| X.  | ± 0.50 | ± 5°  |
| .X  | ± 0.30 |       |
| .XX | ± 0.20 |       |

|       |    |         |
|-------|----|---------|
| DRAWN | JJ | 9/13/21 |
|-------|----|---------|

|         |    |         |
|---------|----|---------|
| CHECKED | KC | 9/13/21 |
|---------|----|---------|

|          |  |  |
|----------|--|--|
| APPROVED |  |  |
|----------|--|--|

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TITLE

MINI FAKRA RIGHT ANGLE PLUG

SIZE  
X

PART NO.

MHSD-04X-AM-PRX-T/R

REV.  
D

REF: S00013T

SCALE: NTS

SHEET 3 OF 4

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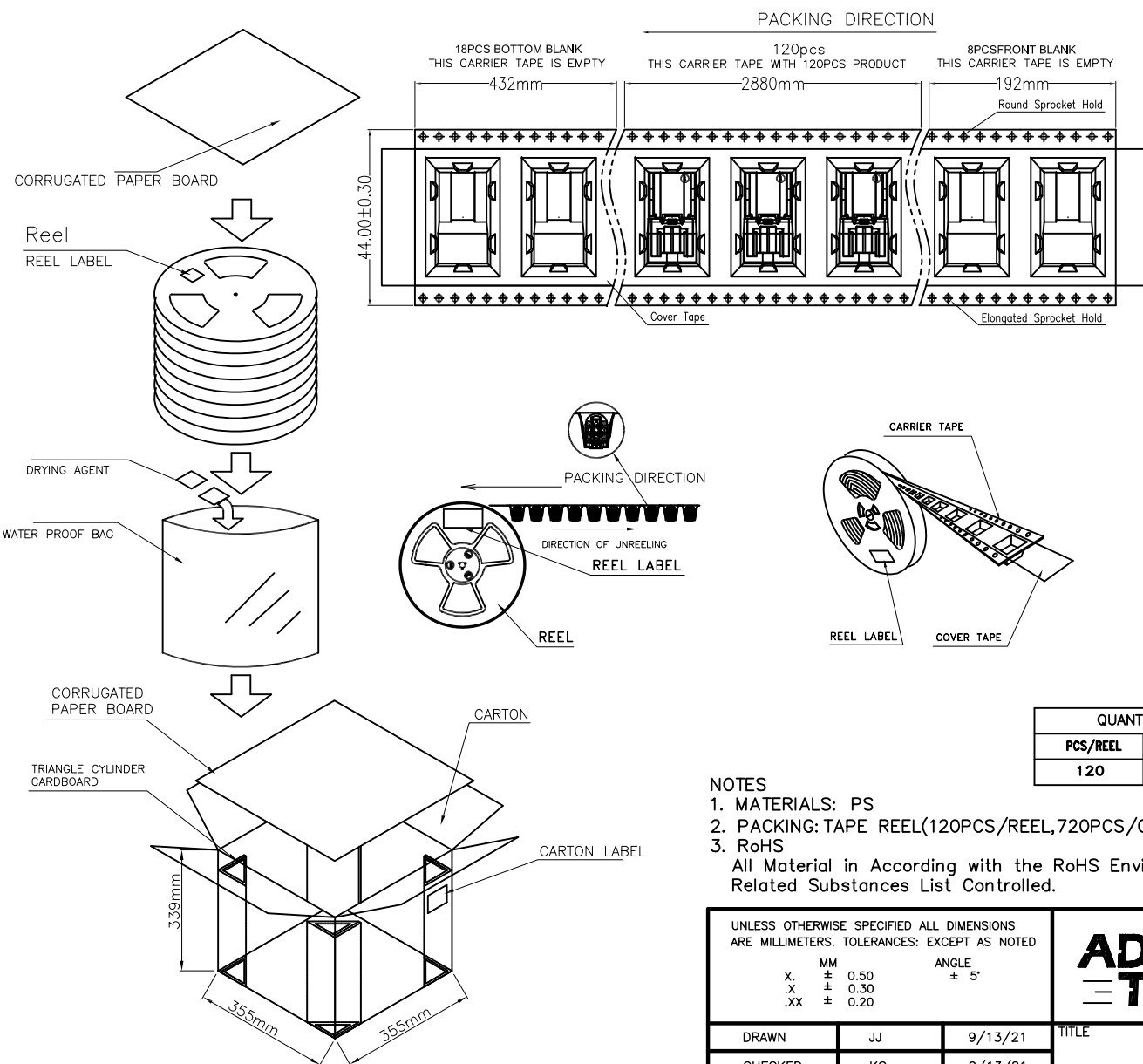
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APPROVED: \_\_\_\_\_

DATE: \_\_\_\_\_ TITLE: \_\_\_\_\_

Rev AWO # Description Date Appr

SEE SHT 1 OF 4 FOR REVISION



## NOTES

1. MATERIALS: PS
2. PACKING: TAPE REEL(120PCS/REEL,720PCS/CARTON)
3. RoHS

All Material in According with the RoHS Environment  
Related Substances List Controlled.

| QUANTITY |             | WEIGHT  |         |
|----------|-------------|---------|---------|
| PCS/REEL | REEL/CARTON | N.W(kg) | G.W(kg) |
| 120      | 6           | 7.38    | 8.38    |

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ARE MILLIMETERS. TOLERANCES: EXCEPT AS NOTED

|     | MM     | ANGLE |
|-----|--------|-------|
| X.  | ± 0.50 | ± 5°  |
| .X  | ± 0.30 |       |
| .XX | ± 0.20 |       |

|          |    |         |
|----------|----|---------|
| DRAWN    | JJ | 9/13/21 |
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TITLE  
MINI FAKRA RIGHT ANGLE PLUG

SIZE X PART NO. MHSD-04X-AM-PRX-T/R REV. D

REF: S00013T SCALE: NTS SHEET 4 OF 4

6

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