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| LOC | | DIST | | REVISIONS | | | |
|-----|-----|-------------|-----------------|-----------|------|----|--|
| P | LTR | DESCRIPTION | DATE | DWN | APVD | | |
| - | - | A | INITIAL RELEASE | 180118 | PF | AR | |



.085 MAX
INSERT PROTRUSION

ACT 20 X X XX X X

KEYING POSITION
 CONTACT CODE
 P = 500 CYCLE PIN
 S = 500 CYCLE SOCKET
 A = LESS PIN
 B = LESS SOCKET
 H = 1500 CYCLE PIN
 J = 1500 CYCLE SOCKET

INSERT ARRANGEMENT
 SHELL SIZE
 FINISH
 J = OLIVE DRAB CADMIUM
 M = NICKEL

SQUARE FLANGE RECEPTACLE
 GENERAL IDENTIFIER
 ACT = ALL COMPOSITE TECHNOLOGY

INDICATOR BAND, RED
 INDICATOR BAND, BLUE

| PART NUMBER | SHELL SIZE | D THREAD | P ±.008 | PP ±.008 | R1 | R2 | S ±.012 | V +.055 -.000 | W |
|-------------|------------|-------------------|---------|----------|-------|-------|---------|------------------|-----------|
| ACT20xAxxxx | 09 | M12x1.0-6g 0.100R | .128 | .216 | .719 | .594 | .937 | .768 | .083/.144 |
| ACT20xBxxxx | 11 | M15x1.0-6g 0.100R | .128 | .194 | .812 | .719 | 1.032 | .768 | .083/.144 |
| ACT20xCxxxx | 13 | M18x1.0-6g 0.100R | .128 | .194 | .906 | .812 | 1.126 | .768 | .083/.144 |
| ACT20xDxxxx | 15 | M22x1.0-6g 0.100R | .128 | .173 | .969 | .906 | 1.221 | .768 | .083/.144 |
| ACT20xExxxx | 17 | M25x1.0-6g 0.100R | .128 | .194 | 1.062 | .969 | 1.311 | .768 | .083/.144 |
| ACT20xFxxxx | 19 | M28x1.0-6g 0.100R | .128 | .194 | 1.156 | 1.062 | 1.437 | .768 | .083/.144 |
| ACT20xGxxxx | 21 | M31x1.0-6g 0.100R | .128 | .194 | 1.250 | 1.156 | 1.563 | .736 | .083/.171 |
| ACT20xHxxxx | 23 | M34x1.0-6g 0.100R | .154 | .242 | 1.375 | 1.250 | 1.689 | .736 | .083/.171 |
| ACT20xJxxxx | 25 | M37x1.0-6g 0.100R | .154 | .242 | 1.500 | 1.375 | 1.811 | .736 | .083/.171 |

- FOR APPLICABLE KEYING DIAGRAM, SEE MIL-DTL-38999. FOR INSERT ARRANGEMENTS, SEE MIL-STD-1560. CONSULT FACTORY FOR AVAILABILITY.
- GENERAL SPECIFICATIONS: THIS CONNECTOR MEETS THE INTERMATEABILITY REQUIREMENTS OF MIL-DTL-38999 SERIES III.
- MATERIAL/FINISH
 SHELL - COMPOSITE, PLATED.
 CONTACTS - COPPER ALLOY, DEUTSCHCOAT V (H/J) OR GOLD (P/S).
 RESILIENT INSERTS - SILICONE ELASTOMER.
 PLASTIC INSERTS - THERMOPLASTIC.

1. ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SPECIFIED.
 THREAD CALLOUT IS METRIC.

THIS DRAWING IS A CONTROLLED DOCUMENT.

DWN CRAIG BROWN 150102
 CHK EHAB ALAWNEH 150102

APVD -

NAME ACT SERIES SQUARE FLANGE ENVELOPE

PRODUCT SPEC -
 APPLICATION SPEC -
 WEIGHT -

SIZE A2 CAGE CODE 11139 DRAWING NO. ACT20xxxxxx RESTRICTED TO -

CUSTOMER DRAWING SCALE 4.000 SHEET 1 OF 1 REV A

Mouser Electronics

Authorized Distributor

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