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TECHNICAL CHARACTERISTICS

MATERIAL

INSULATOR MATERIAL: PET (WHITE)

SUPPORT TAPE: PET (BLUE)

CONTACT MATERIAL: COPPER

CONTACT PLATING: TIN

QUALITY CLASS: 20 MATING CYCLES MIN.

PITCH: 1.00 MM

ENVIRONMENTAL

OPERATING TEMPERATURE: -30°C UP TO 105°C

HEAT RESISTANCE: 110°C x 96 HRS

FLAMMABILITY RATING UL SUB.758

MOISTURE RESISTANCE: 40°C, 95% RH x 96 HRS

COMPLIANCE: LEAD FREE AND ROHS

ELECTRICAL

CURRENT RATING: 1.0 A MAX

WORKING VOLTAGE: 60V

INSULATION RESISTANCE: >1000 MOHM/M (500 VDC)

DIELECTRIC STRENGTH: 500 VAC/MN NO BREAKDOWN

CONDUCTOR RESISTANCE: <1.09 OHM/M

CONTACT RESISTANCE: <20 mOHMS

STANDARD

 CERTIFIED: E328849

MECHANICAL

ELONGATION OF INSULATOR: > 60 %

TENSIL STRENGTH OF INSULATION: >3.5KG/MM²

FLEXING TEST: 180° >20 TIMES

ABRASION: >10000 TIMES

PULL/OUT: >20 TIMES

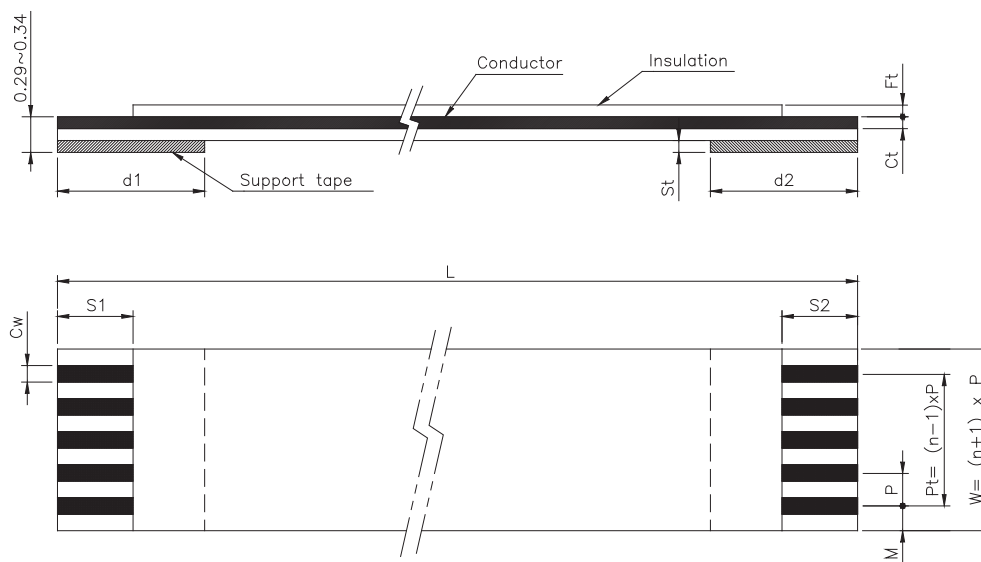
PACKAGING

BAG

DIMENSION & TOLERANCE

W= (N+1) x P

Pt=(N-1) x P

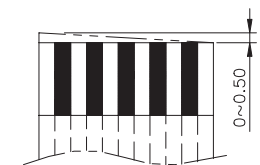


A

B

C

D



Tolerance of Cutting Tilt

TOLERANCE:

| Abbr. | TOLERANCE | |
|-------|---|-------|
| | P=0.5 | P=1.0 |
| P | ±0.05 | ±0.08 |
| Pt | ±0.08 | ±0.10 |
| W | ±0.08 | ±0.10 |
| M | ±0.08 | ±0.12 |
| Cw | ±0.02 | ±0.03 |
| L | (30~100)±3, (101~300)±5, (301~600)±10, (Length more than 601mm)±15mm | |

| No. of PIN | Dimension | | | | | | | | | | | | |
|---------------|-----------|--------------|--------------|--------------|-----|------|---------|--------|--------|--------|--------|---------|---------|
| | P | Pt | L | W | M | Cw | Ct±0.01 | St±1.0 | S2±1.0 | d1±2.0 | d2±2.0 | Ft±0.01 | St±0.01 |
| XX | 1.0 | (XX - 1) x P | LLL | (XX + 1) x P | 1.0 | 0.70 | 0.035 | 5.0 | 5.0 | 10.0 | 10.0 | 0.043 | 0.225 |

RoHS Compliant

PROJECTION:



GENERAL TOLERANCE

.X = ⁺/₋ 0.2.XX = ⁺/₋ 0.15

APPROVAL: GMo

UNIT: MM

SCALE:

SHEET: 1/2

DRAW: CH

DESCRIPTION: 1.00MM FLAT FLEXIBLE CABLE TYPE 1

XX NB OF PIN: / LLL OVERALL LENGTH: MM

WERI PART NO: 686 6 001

XX LLL

SIZE

A4

| REV | DATE | FILE | BY |
|-----|-----------|-------------|----|
| I | 05-AUG-15 | TEMPERATURE | AK |
| H | 21-JAN-13 | CT DIM | QL |

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Cautions and Warnings:

This electronic component is designed and developed with the intention for use in general electronics equipments.

Before incorporating the components into any equipments in the field such as aerospace, aviation, nuclear control, submarine, transportation, (automotive control, train control, ship control), transportation signal, disaster prevention, medical, public information network etc. where higher safety and reliability are especially required or if there is possibility of direct damage or injury to human body, Würth Elektronik must be asked for a written approval.

In addition, even electronic component in general electronic equipments, when used in electrical circuits that require high safety, reliability functions or performance, the sufficient reliability evaluation-check for the safety must be performed before by the user before usage.

A

B

C

RoHS Compliant

| | | | | | | | |
|-----|-----------|------|----|--|---|---|-------------------|
| G | | | | PROJECTION:  | GENERAL TOLERANCE .X = +/- 0.2 .XX = +/- 0.15 |  | |
| F | | | | | | | |
| E | | | | | | | |
| D | | | | | | | |
| C | | | | APPROVAL: JC | UNIT: MM | DESCRIPTION: DISCLAIMER | SIZE A4 |
| B | | | | | SCALE: | | |
| A | 10-SEP-14 | PDF | QL | | SHEET: 2/2 | WERI PART NO: DISCLAIMER | |
| REV | DATE | FILE | BY | | DRAW: QL | | |

D

Mouser Electronics

Authorized Distributor

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