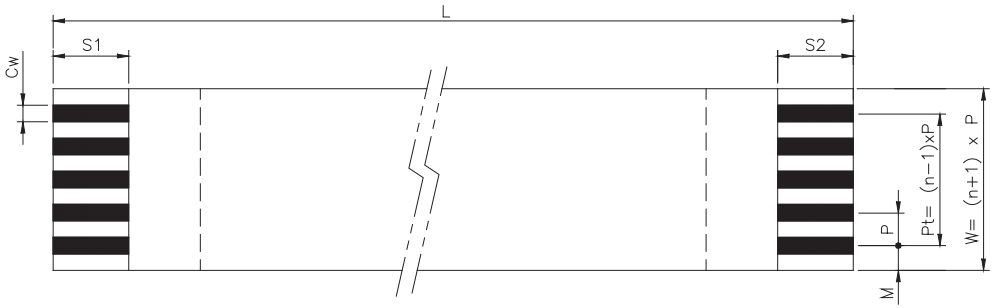
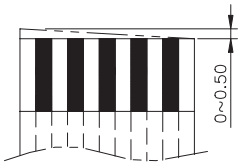



Tolerance of Cutting Tilt

TECHNICAL CHARACTERISTICS

MATERIAL
INSULATOR MATERIAL: PET (WHITE)
SUPPORT TAPE: PET (BLUE)
CONTACT MATERIAL: COPPER
CONTACT PLATING: TIN
QUALITY CLASS: 20 MATING CYCLES MIN.
PITCH: 0.50 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: 0.5A MAX
WORKING VOLTAGE: 60V
INSULATION RESISTANCE: >1000 MOHM/M (500 VDC)
DIELECTRIC STRENGHT: 500 VAC/MN NO BREAKDOWN
CONDUCTOR RESISTANCE: <1,40 OHM/M
CONTACT RESITANCE: <20 mOHMS

STANDARD
CERTIFIED: E328849

MECHANICAL
ELONGATION OF INSULATOR: >60 %
TENSIL STRENGHT 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

## 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 | S1±1.0 | S2±1.0 | d1±2.0 | d2±2.0 | Ft±0.01 | St±0.01 |
| XX ..... | 0.5 | (XX - 1) x P | LLL ..... | (XX + 1) x P | 0.5 | 0.3 | 0.05 | 4.0 | 4.0 | 8.0 | 8.0 | 0.043 | 0.225 |

RoHS Compliant

| REV | DATE | FILE | BY |
|---|---|---|---|
| H | 05-AUG-15 | TEMPERATURE | AK |

PROJECTION:

GENERAL TOLERANCE
.X = +/- 0.2
.XX = +/- 0.15

APPROVAL: GMo

UNIT: MM
SCALE:
SHEET: 1/2
DRAW: CH

WÜRTH ELEKTRONIK

DESCRIPTION: 0.50MM FLAT FLEXIBLE CABLE TYPE 1
XX NB OF PIN: ..... / LLL OVERALL LENGTH: ..... MM

WERI PART NO: 687 6_ _ _ _ 002
X X L L L

SIZE
A4

## 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,
Wurth 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.

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