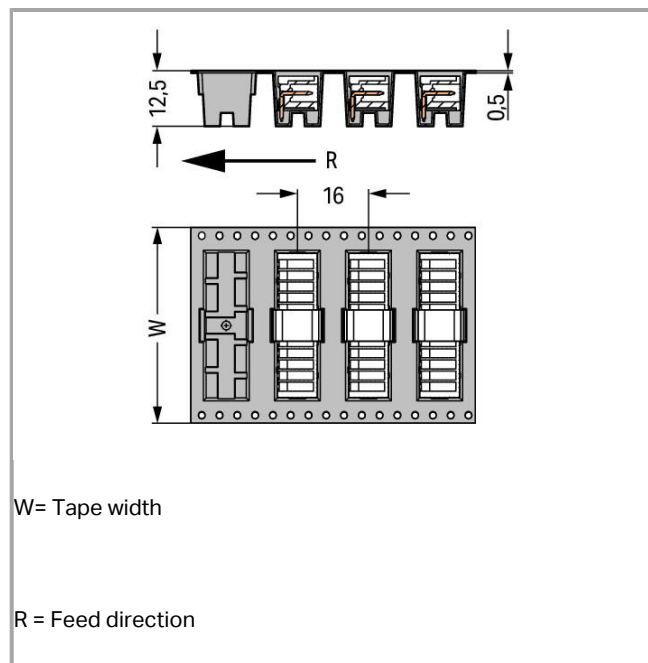
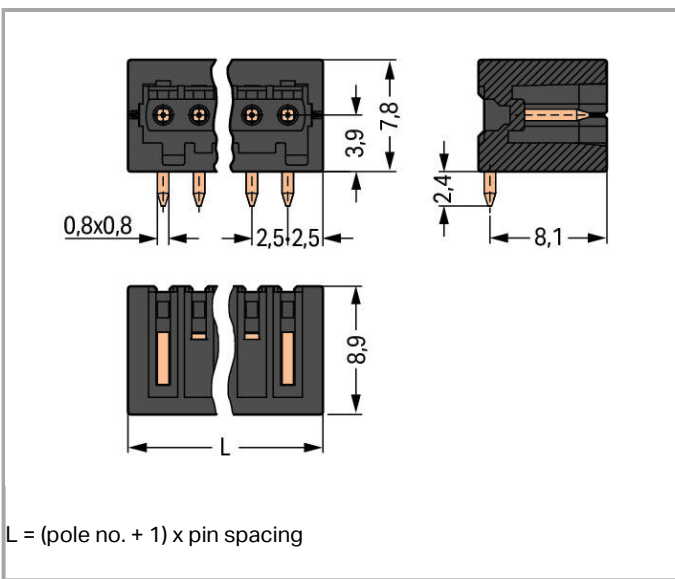
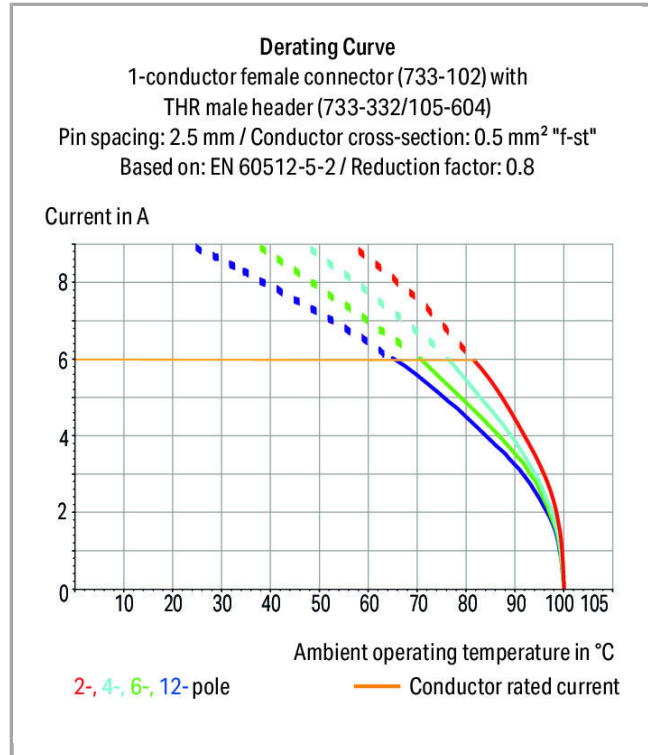


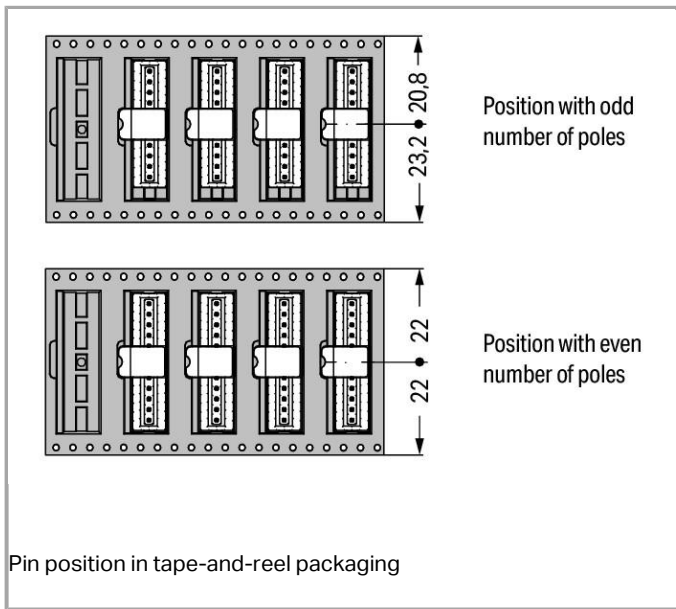
Data sheet | Item number: 733-368/105-604/997-406

THR male header; 0.8 x 0.8 mm solder pin; angled; 100% protected against mismatching; in tape-and-reel packaging; Pin spacing 2.5 mm; 8-pole



733-368_105-604_997-406





Item description

- THR male headers for reflow soldering in SMT applications
- Available in tape-and-reel packaging for automated pick-and-place PCB assembly
- Optimal thermal penetration via pin enclosure design provides lower soldering temperatures
- 100% protected against mismatching
- Coding via coding fingers

Safety information 1:

The *MULTI CONNECTION SYSTEM (MCS)* is designed without breaking capacity for compliance with DIN EN 61984. When used as intended, MCS Connectors shall not be connected/disconnected when live or under load. The circuit design should ensure header pins, which can be touched, are not live when unmated.

Data

Electrical data

Ratings per IEC/EN 60664-1

| | |
|---------------------------------|--------|
| Rated voltage (III / 3) | 80 V |
| Rated impulse voltage (III / 3) | 2.5 kV |
| Rated voltage (III / 2) | 160 V |
| Rated impulse voltage (III / 2) | 2.5 kV |
| Rated voltage (II / 2) | 320 V |
| Rated impulse voltage (II / 2) | 2.5 kV |
| Rated current | 6 A |

Approvals per UL 1059

| | |
|--------------------------------|-------|
| Rated voltage UL (Use Group B) | 150 V |
|--------------------------------|-------|



| | |
|--------------------------------|-----|
| Rated current UL (Use Group B) | 4 A |
|--------------------------------|-----|

Approvals per CSA

| | |
|---------------------------------|-------|
| Rated voltage CSA (Use Group B) | 150 V |
|---------------------------------|-------|

| | |
|---------------------------------|-----|
| Rated current CSA (Use Group B) | 4 A |
|---------------------------------|-----|

Connection data

| | |
|--------------|---|
| No. of poles | 8 |
|--------------|---|

| | |
|----------------------------|---|
| Total number of potentials | 8 |
|----------------------------|---|

| | |
|----------------------------|---|
| Number of connection types | 1 |
|----------------------------|---|

| | |
|------------------|---|
| Number of levels | 1 |
|------------------|---|

Geometrical Data

| | |
|-------------|---------------------|
| Pin spacing | 2.5 mm / 0.098 inch |
|-------------|---------------------|

| | |
|-------|----------------------|
| Width | 22.5 mm / 0.886 inch |
|-------|----------------------|

| | |
|--------|----------------------|
| Height | 10.2 mm / 0.402 inch |
|--------|----------------------|

| | |
|-------------------------|---------------------|
| Height from the surface | 7.8 mm / 0.307 inch |
|-------------------------|---------------------|

| | |
|-------|--------------------|
| Depth | 8.9 mm / 0.35 inch |
|-------|--------------------|

| | |
|-------------------|--------|
| Solder pin length | 2.4 mm |
|-------------------|--------|

| | |
|-----------------------|--------------|
| Solder pin dimensions | 0.8 x 0.8 mm |
|-----------------------|--------------|

| | |
|--|--------|
| Reel diameter of tape-and-reel packaging | 330 mm |
|--|--------|

| | |
|------------|-------|
| Tape width | 44 mm |
|------------|-------|

Plug connection

| | |
|------------------------------------|---------------------|
| Contact type (pluggable connector) | Male connector/plug |
|------------------------------------|---------------------|

| | |
|---------------------------|----------|
| Connector connection type | for PCBs |
|---------------------------|----------|

| | |
|----------------------|-----|
| Mismating protection | Yes |
|----------------------|-----|

| | |
|-----------------------------|----|
| Mating direction to the PCB | 0° |
|-----------------------------|----|

PCB contact

| | |
|-------------|-----|
| PCB contact | THR |
|-------------|-----|

| | |
|------------------------|---|
| Solder pin arrangement | over the entire male connector, in line |
|------------------------|---|

| | |
|-------------------------------------|---|
| Number of solder pins per potential | 1 |
|-------------------------------------|---|

Material Data

| | |
|-------|-------|
| Color | black |
|-------|-------|

| | |
|----------------|---|
| Material group | I |
|----------------|---|

| | |
|---------------------|--------------------------|
| Insulating material | Polyphthalamide (PPA GF) |
|---------------------|--------------------------|

| | |
|-----------------------------|----|
| Flammability class per UL94 | V0 |
|-----------------------------|----|

| | |
|------------------|--|
| Contact material | Electrolytic copper (E _{Cu}) |
| Contact plating | tin-plated |
| Fire load | 0.028 MJ |
| Weight | 1.27 g |

Environmental Requirements

| | |
|-------------------------|-------------|
| Limit temperature range | -60 +100 °C |
|-------------------------|-------------|

Commercial data

| | |
|--------------------|---------------|
| Country of origin | DE |
| GTIN | 4045454815127 |
| Customs Tariff No. | 85366990990 |

Compatible products

Coding



Item no.: 733-331
Coding key; snap-on type

733-331

Downloads

Documentation

Additional Information

| | | | |
|------------------------|-------------|---------------|----------|
| Technical explanations | Apr 3, 2019 | pdf 3.6 MB | Download |
|------------------------|-------------|---------------|----------|

Subject to changes.