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Part Number: [5002541927](#)
Status: **Active**
Overview: high definition multimedia interface hdmi
Description: HDMI* Receptacle, Right Angle, SMT Solder Tails and Through Hole Shell Tabs

Documents:

[3D Model](#) [Product Specification PS-501194-001 \(PDF\)](#)
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

General

| | |
|----------------|---|
| Product Family | I/O Connectors |
| Series | 500254 |
| Application | Wire-to-Board |
| Component Type | Receptacle |
| Overview | high definition multimedia interface hdmi |
| Product Name | HDMI |
| Type | N/A |

Physical

| | |
|--------------------------------|--------------------------------|
| Circuits (Loaded) | 19 |
| Circuits (maximum) | 19 |
| Color - Resin | Black |
| Lock to Mating Part | Yes |
| Material - Metal | Brass |
| Material - Plating Mating | Gold |
| Material - Plating Termination | Tin |
| Material - Resin | High Temperature Thermoplastic |
| Orientation | Right Angle |
| PCB Retention | Yes |
| PCB Thickness Recommended (in) | 0.063 In |
| PCB Thickness Recommended (mm) | 1.60 mm |
| Packaging Type | Embossed Tape on Reel |
| Panel Mount | No |
| Pitch - Mating Interface (in) | 0.020 In |
| Pitch - Mating Interface (mm) | 0.50 mm |
| Plating min: Mating (µin) | 30.4 |
| Plating min: Mating (µm) | 0.76 |
| Plating min: Termination (µin) | 40 |
| Plating min: Termination (µm) | 1 |
| Polarized to Mating Part | Yes |
| Surface Mount Compatible (SMC) | N/A |
| Temperature Range - Operating | -20°C to +85°C |
| Termination Interface: Style | Surface Mount |
| Wire Size AWG | N/A |

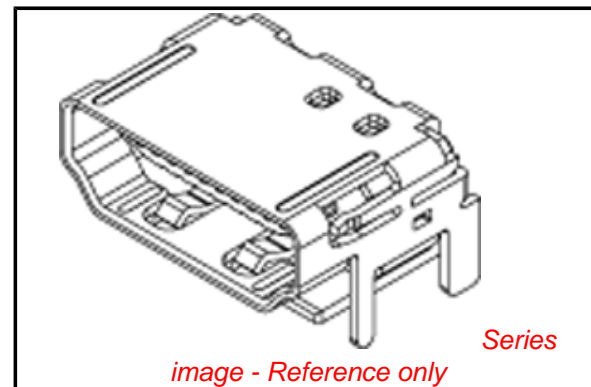
Electrical

| | |
|-------------------------------|------|
| Current - Maximum per Contact | 0.5A |
| Shielded | Yes |
| Voltage - Maximum | 40V |

Material Info

Reference - Drawing Numbers

| | |
|-------------------------|--|
| Packaging Specification | SPK-500254-002 |
| Product Specification | PS-501194-001, RPS-500254-008, RPS-88768-003 |
| Sales Drawing | SD-500254-005 |



EU RoHS

**ELV and RoHS
Compliant**
REACH SVHC
 Not Reviewed
**Halogen-Free
Status**

China RoHS



Not Reviewed
**Need more information on product
environmental compliance?**

Email productcompliance@molex.com
 For a multiple part number RoHS Certificate of Compliance, [click here](#)

Please visit the [Contact Us](#) section for any non-product compliance questions.

Search Parts in this Series

500254Series

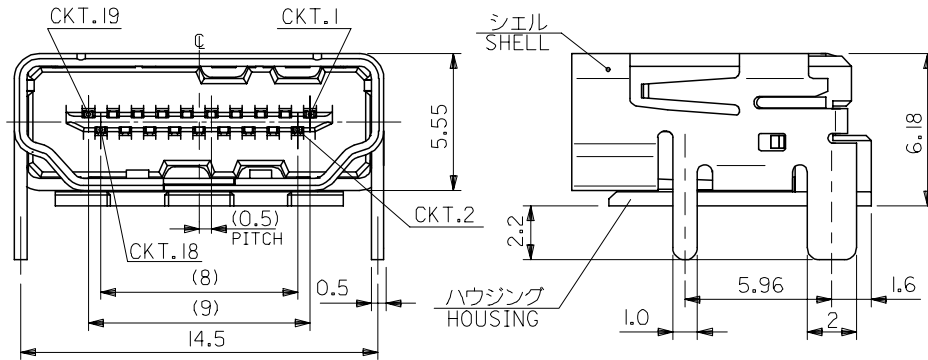
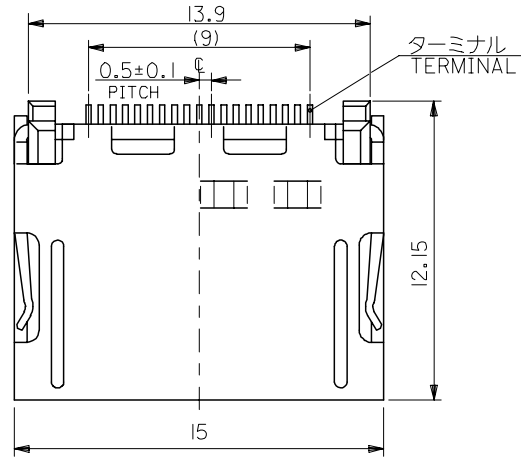
Mates With

501194 HDMI cable assembly

| * High Definition Multimedia Interface and HDMI are trademarks of HDMI Licensing, LLC.

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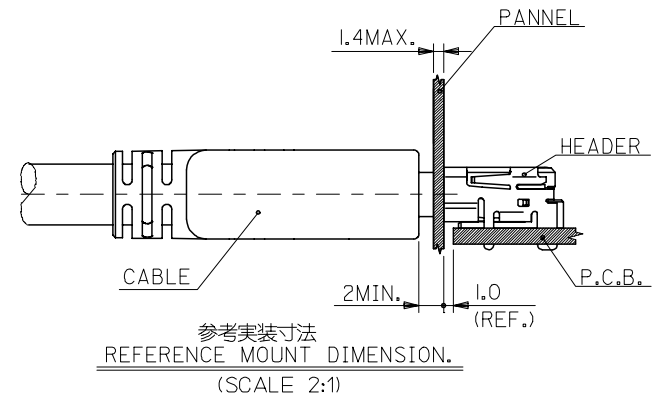
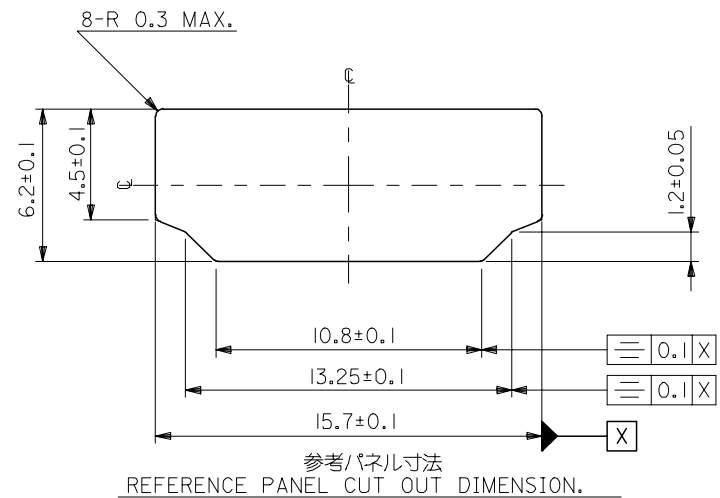
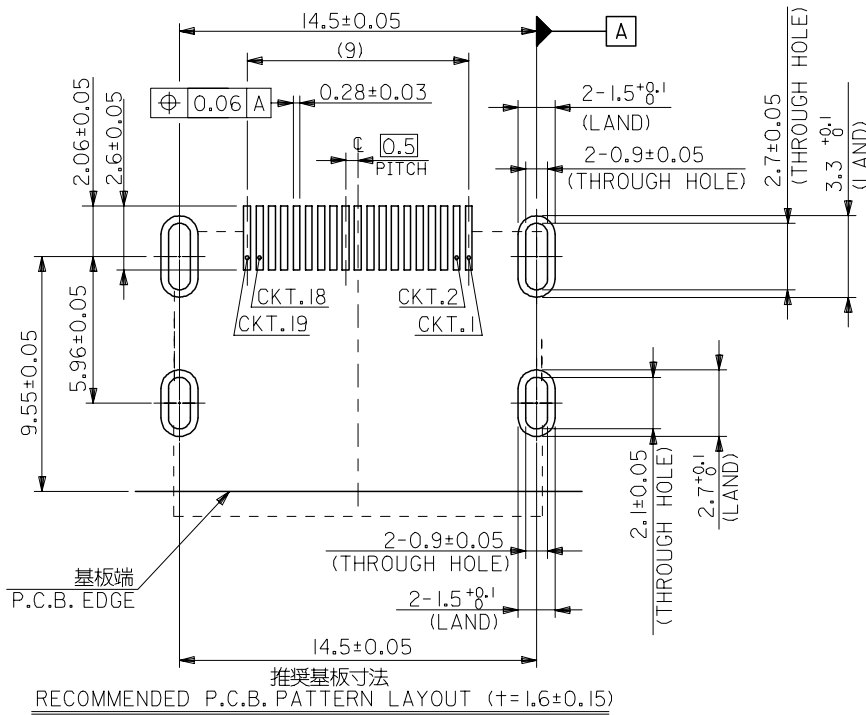


注記
NOTE

- 材質
MATERIAL
ハウジング: ガラス入り耐熱樹脂
HOUSING: GLASS FILLED HEAT-RESISTED RESIN, UL94V-0
ターミナル: 銅合金
TERMINAL: COPPER ALLOY
シエル: 銅合金
SHELL: COPPER ALLOY
- めっき仕様
PLATING
ターミナル: <接点部>金めっき 0.76マイクロメートル以上
TERMINAL <CONTACT AREA> GOLD(Au) 0.76 MICROMETER MINIMUM.
<半田付け部>錫めっき 1.0マイクロメートル以上
<SOLDER TAIL AREA> TIN(Sn) 1.0 MICROMETER MINIMUM.
<下地>ニッケルめっき 2マイクロメートル以上
<UNDER-PLATING> NICKEL(Ni) 2 MICROMETER MINIMUM.
シエル: 錫めっき 1.0マイクロメートル以上
SHELL TIN(Sn) 1.0 MICROMETER MINIMUM.
下地ニッケルめっき 1.27マイクロメートル以上
UNDER-PLATING NICKEL (Ni) 1.27 MICROMETER MINIMUM.
- テール部の平坦度: 0.1 MAXIMUM.
COPLANALITY OF TAIL: 0.1 MAXIMUM.

| | |
|------------------|----------|
| 500254-1927 | 19 |
| EMBOSS PACKAGING | CIRCUITS |
| MATERIAL NO. | |

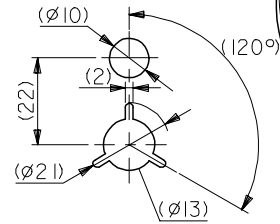
| | | | | | | | |
|---|---------------------------------------|------------|----------------------------|--|---|------------------------|--|
| REVISED EC NO: J2006-0032 DRAWN BY: DRWN: NABE 2005/07/05 CHK'D BY: TOYODA 2005/07/06 APPR: NUKITA 2005/07/12 | GENERAL TOLERANCES (UNLESS SPECIFIED) | | DIMENSION STYLE MM ONLY | SCALE 5:1 | DESIGN UNITS METRIC | THIRD ANGLE PROJECTION | |
| | 10 UNDER | ±0.2 | DRAWN BY K. TOYODA | DATE '04/03/26 | TITLE HDMI RIGHT ANGLE HEADER ASSY -LEAD FREE- | | |
| | 10 OVER 30 UNDER | ±0.25 | CHECKED BY K. ASAKAWA | DATE '04/03/26 | MOLEX INCORPORATED | | |
| | 30 OVER | ±0.3 | APPROVED BY S. ICHIKAWA | DATE '04/03/26 | DOCUMENT NO. SD-500254-005 | | |
| | ANGULAR | ±3 ° | MATERIAL NO. SEE CHART | | SHEET NO. 1 OF 3 | | |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | | SIZE A3 | | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION | | | |



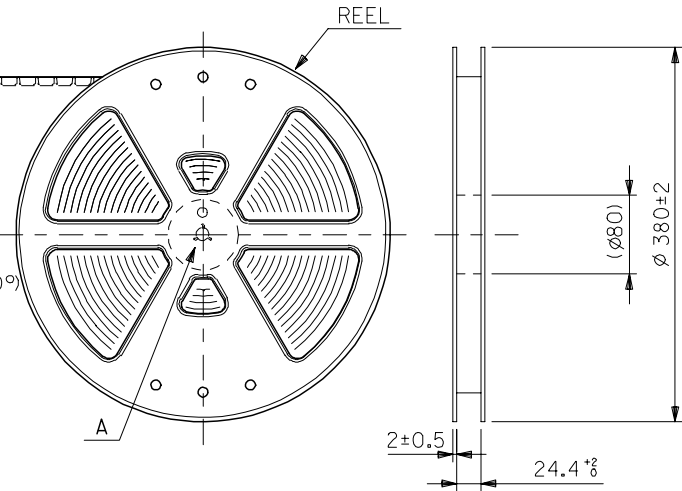
| | | | | | | | | |
|--|---------------------------------------|--------------|-------------------------------|--|---|------------------------|------------------------|--|
| REVISED EC NO: J2006-0032 DRW: MNABEI 2005/07/05 CHK: KATOYODA 2005/07/06 APP: NUKITA 2005/07/12 | GENERAL TOLERANCES (UNLESS SPECIFIED) | | DIMENSION STYLE MM ONLY | | SCALE 5:1 | DESIGN UNITS METRIC | THIRD ANGLE PROJECTION | |
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| | 30 OVER | ± 0.3 | APPROVED BY S. ICHIKAWA | DATE '04/03/26 | MOLEX INCORPORATED | | | |
| ANGULAR | ± 3 ° | MATERIAL NO. | DOCUMENT NO. SD-500254-005 | SHEET NO. 2 OF 3 | | | | |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | | SEE CHART | | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION | | | | |

エンボス梱包
EMBOSS PACKAGE

引き出し方向
PULL OUT DIRECTION

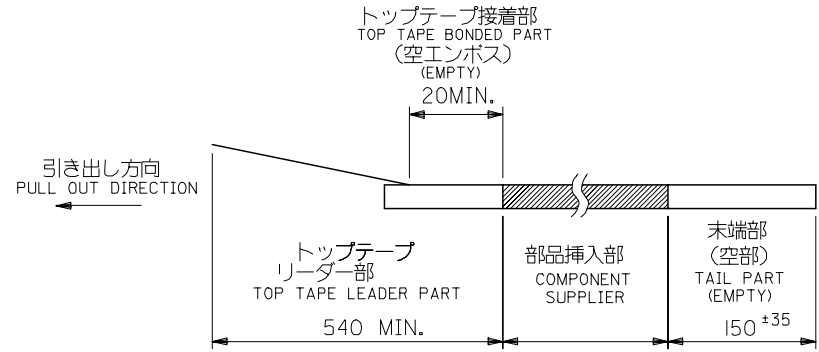


DETAIL A



NOTE

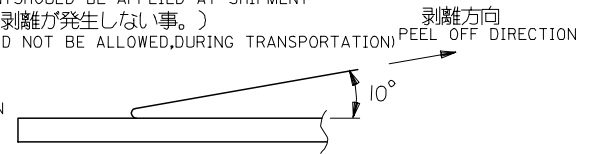
4. 梱包数量: 500 個/リール
NUMBER OF CONNECTORS: 500 PCS/REEL
5. リードテープ長さ
LEAD TAPE LENGTH



6. トップテープの剥離強度: 0.1 ~ 1.3N (10 ~ 130gf)
(剥離方向は下図参照) キャリアテープ幅: 24mm
(PEELING DIRECTION AS SHOWN IN FOLLOWING FIG.) CARRIER TAPE WIDTH

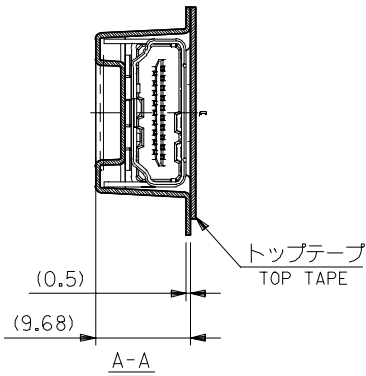
尚、本規格値は、出荷時に適用。
THIS REQUIREMENTS SHOULD BE APPLIED AT SHIPMENT
(但し、輸送時に剥離が発生しない事。)
(PEEL OFF SHOULD NOT BE ALLOWED, DURING TRANSPORTATION)

引き出し方向
PULL OUT DIRECTION

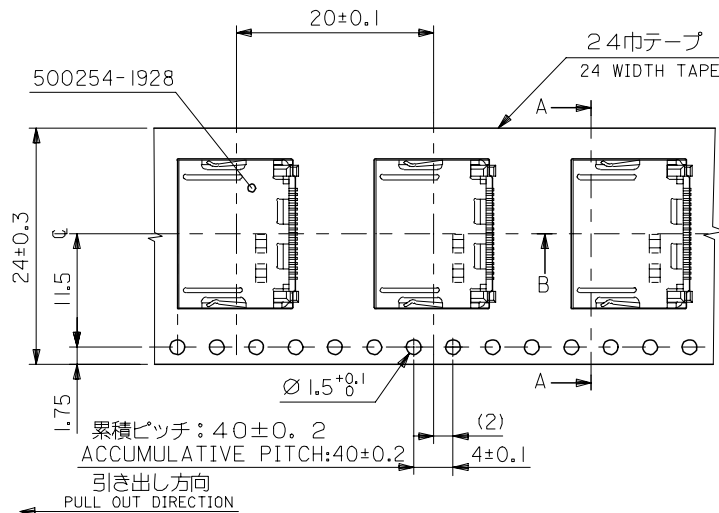


7. 材料
MATERIAL

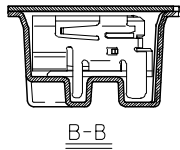
キャリアテープ: ポリプロピレン
CARRIER TAPE: POLYPROPYLENE
トップテープ: ポリエステル, ポリエチレン
TOP TAPE: POLYESTER, POLYETHYLENE
リール: ポリスチレン
REEL: POLYSTYRENE



A-A



エンボステープ内の製品の向き
DIRECTION OF CONNECTOR IN EMBOSS TAPE



B-B

| | | | | | | | | |
|---|---------------------------------------|---------------------------|-------------------------------|--|---|------------------------|---|--|
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| | 10 OVER 30 UNDER | ±0.25 | CHECKED BY K. ASAKAWA | DATE '04/03/26 | | | | |
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| ANGULAR | ±3 ° | MATERIAL NO. SEE CHART | DOCUMENT NO. SD-500254-005 | SHEET NO. 3 OF 3 | | | | |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | | SIZE A3 | | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION | | | | |