

| REV | LOCATIONS | DESCRIPTION | DATE | REVISER | APPD |
|-----|-----------|-------------|------|---------|------|
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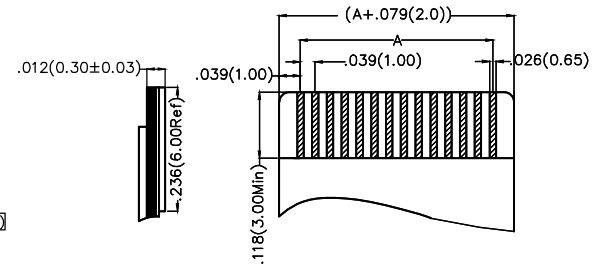
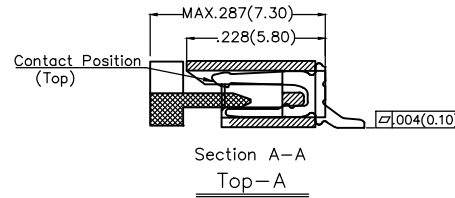
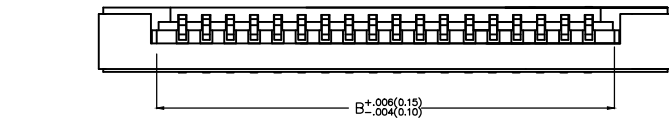
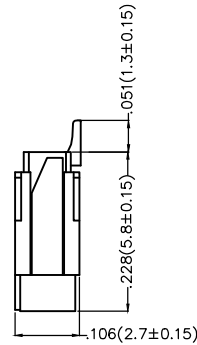
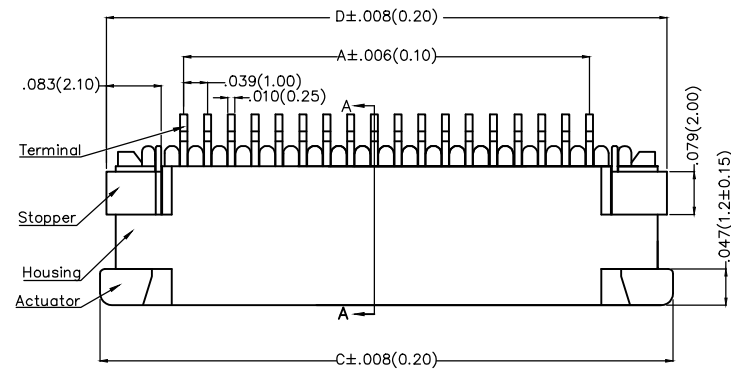
SPECIFICATIONS

Electrical

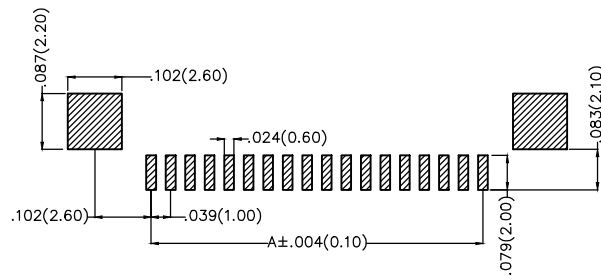
Current Rating: 0.5A AC(rms)/DC
Voltage Rating: 50V AC(rms)/DC
Contact Resistance: 20 mΩ Max
Insulation Resistance: 500 MΩ MIN
Withstanding Voltage: 200V AC r.m.s
Temperature Range—Operating: -25°C~+85°C

Material and Plating

Housing: Heat Resistant Polymer UL94V-0
Actuator: Heat Resistant Polymer UL94V-0
Contact: Phosphor Bronze/Tin Plated
Stopper: Copper alloy/Tin Plated



Applicable FFC
Recommended Dimension



Recommended P.C.Board Layout

Ordering Information

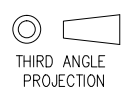

FFC 100 01 — XX S B A 1 2 4 W5 M
1 2 3 4 5 6 7 8 9 10 11 12

| | | | | | |
|-----------------------------|------------------------------------|---------------------------|-----------------------------|---|------------------------------|
| 1 Category FFC-FPC | 2 Series Number 100-Pitch1.00mm | 3 Distinction No. 01 | 4 Circuits XX | 5 Assemble Layout S-SMT | 6 Entry Angle B-90° Angle |
| 7 Contact Position A-Top | 8 ZIF 1-ZIF | 9 Plating 2-Tin Plated | 10 Material-Resin 4-PA9T | 11 Color-Resin W5-Housing: Natural, Actuator: Black | 12 Packaging M-Reel |

| | | | | | | | |
|-------------------------------|--|-----------------|---------------------|---------------------|----------------------------------|--|------------------------|
| THIRD ANGLE PROJECTION | GENERAL TOLERANCES (UNLESS SPECIFIED) | | APPROVE BY FRANK | DATE 18/JUN/13 | PART NO. FFC10001-XXSBA124W5M | ITEM NO. FFC10001 | Leader Of Industry |
| | DESIGN UNITS Inch (metric) | X.±.012(0.30) | X.±5' | CHECKED BY JACOB | DATE 18/JUN/13 | TITLE FPC/FFC Connector 1.00mm Top Contact SMT | |
| SCALE 5:1 | SIZE A4 | X.XX±.006(0.15) | .XX±1' | DRAWN BY CHERRY | DATE 18/JUN/13 | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO TXGA INDUSTRIAL ELECTRONICS(S.Z)CO.,LTD AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION | |

| | | | | | |
|-----|-----------|-------------|------|---------|------|
| REV | LOCATIONS | DESCRIPTION | DATE | REVISED | APPD |
| | | | | | |

| Circuits (n) | Part No. | Dimensions(in/mm) | | | | Circuits (n) | Part No. | Dimensions(in/mm) | | | |
|-----------------|----------------------|-------------------|-------------|-------------|-------------|-----------------|----------------------|-------------------|--------------|--------------|--------------|
| | | A | B | C | D | | | A | B | C | D |
| 4 | FFC10001-04SBA124W5M | .118(3.00) | .199(5.05) | .413(10.50) | .346(8.80) | 16 | FFC10001-16SBA124W5M | .591(15.00) | .671(17.05) | .886(22.50) | .819(20.80) |
| 5 | FFC10001-05SBA124W5M | .157(4.00) | .238(6.05) | .453(11.50) | .356(9.80) | 17 | FFC10001-17SBA124W5M | .630(16.00) | .711(18.05) | .925(23.50) | .858(21.80) |
| 6 | FFC10001-06SBA124W5M | .197(5.00) | .278(7.05) | .492(12.50) | .425(10.80) | 18 | FFC10001-18SBA124W5M | .669(17.00) | .750(19.05) | .965(24.50) | .898(22.80) |
| 7 | FFC10001-07SBA124W5M | .236(6.00) | .317(8.05) | .531(13.50) | .465(11.80) | 20 | FFC10001-20SBA124W5M | .748(19.00) | .829(21.05) | 1.047(26.50) | .976(24.80) |
| 8 | FFC10001-08SBA124W5M | .276(7.00) | .356(9.05) | .571(14.50) | .504(12.80) | 21 | FFC10001-21SBA124W5M | .787(20.00) | .868(22.05) | 1.086(27.50) | 1.016(25.80) |
| 9 | FFC10001-09SBA124W5M | .315(8.00) | .413(10.05) | .610(15.50) | .543(13.80) | 22 | FFC10001-22SBA124W5M | .827(21.00) | .908(23.05) | 1.126(28.50) | 1.055(26.80) |
| 10 | FFC10001-10SBA124W5M | .354(9.00) | .435(11.05) | .650(16.50) | .583(14.80) | 24 | FFC10001-24SBA124W5M | .906(23.00) | .986(25.05) | 1.204(30.50) | 1.134(28.80) |
| 11 | FFC10001-11SBA124W5M | .394(10.00) | .474(12.05) | .689(17.50) | .622(15.80) | 25 | FFC10001-25SBA124W5M | .945(24.00) | 1.026(26.05) | 1.244(31.50) | 1.173(29.80) |
| 12 | FFC10001-12SBA124W5M | .433(11.00) | .514(13.05) | .728(18.50) | .661(16.80) | 26 | FFC10001-26SBA124W5M | .984(25.00) | 1.065(27.05) | 1.283(32.50) | 1.213(30.80) |
| 13 | FFC10001-13SBA124W5M | .472(12.00) | .553(14.05) | .768(19.50) | .701(17.80) | 27 | FFC10001-27SBA124W5M | 1.024(26.00) | 1.104(28.05) | 1.323(33.50) | 1.252(31.80) |
| 14 | FFC10001-14SBA124W5M | .512(13.00) | .592(15.05) | .807(20.50) | .740(18.80) | 28 | FFC10001-28SBA124W5M | 1.063(27.00) | 1.144(29.05) | 1.358(34.50) | 1.291(32.80) |
| 15 | FFC10001-15SBA124W5M | .551(14.00) | .632(16.05) | .846(21.50) | .780(19.80) | 30 | FFC10001-30SBA124W5M | 1.142(29.00) | 1.222(31.05) | 1.437(36.50) | 1.370(34.80) |

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|---|--|-----------------|---------------------|---------------------|----------------------------------|--|---|
|  THIRD ANGLE PROJECTION | GENERAL TOLERANCES (UNLESS SPECIFIED) | | APPROVE BY FRANK | DATE 18/JUN/13 | PART NO. FFC10001-XXSBA124W5M | ITEM NO. FFC10001 |  Leader Of Industry |
| | DESIGN UNITS Inch (metric) | X.±.012(0.30) | X.±5' | CHECKED BY JACOB | DATE 18/JUN/13 | TITLE FFC/FFC Connector 1.00mm Top Contact SMT | |
| SCALE 5:1 | SIZE A4 | X.XX±.006(0.15) | .XX±1' | DRAWN BY CHERRY | DATE 18/JUN/13 | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO TXGA INDUSTRIAL ELECTRONICS(S.Z)CO.,LTD AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION | |

| REV | LOCATIONS | DESCRIPTION | DATE | REVISER | APPD |
|-----|-----------|-------------|------|---------|------|
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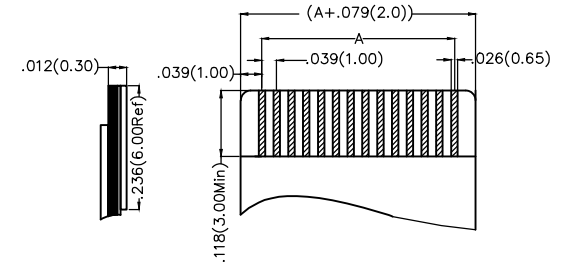
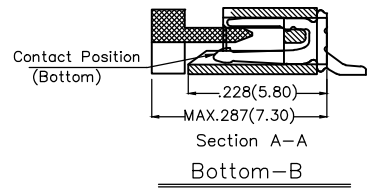
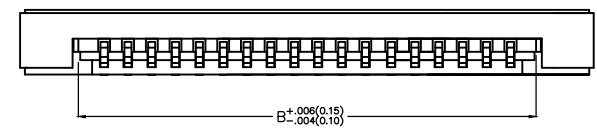
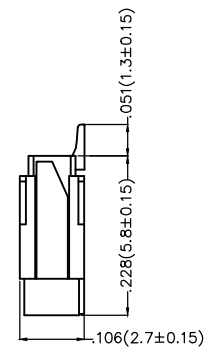
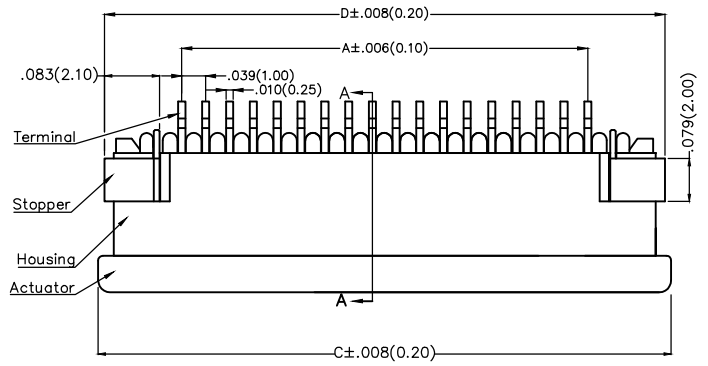
SPECIFICATIONS

Electrical

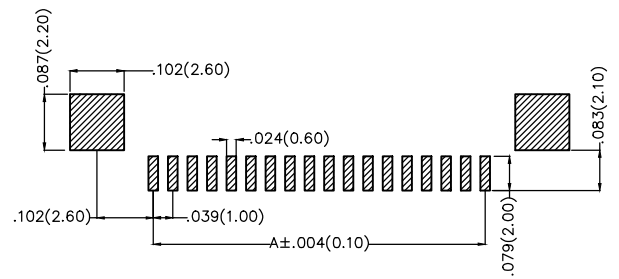
Current Rating: 0.5A AC(rms)/DC
Voltage Rating: 50V AC(rms)/DC
Contact Resistance: 20 mΩ Max
Insulation Resistance: 500 MΩ MIN
Withstanding Voltage: 200V AC r.m.s
Temperature Range—Operating: -25°C~+85°C

Material and Plating

Housing: Heat Resistant Polymer UL94V-0
Actuator: Heat Resistant Polymer UL94V-0
Contact: Phosphor Bronze/Tin Plated
Stopper: Copper alloy/Tin Plated



Applicable FFC Recommended Dimension



Recommended P.C.Board Layout

Ordering Information

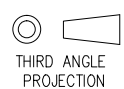

FFC 100 01 — XX S B B 1 2 4 W5 M
1 2 3 4 5 6 7 8 9 10 11 12

| | | | | | |
|--------------------------------|------------------------------------|---------------------------|-----------------------------|---|------------------------------|
| 1 Category FFC-FPC | 2 Series Number 100-Pitch1.00mm | 3 Distinction No. 01 | 4 Circuits XX | 5 Assemble Layout S-SMT | 6 Entry Angle B-90° Angle |
| 7 Contact Position B-Bottom | 8 ZIF 1-ZIF | 9 Plating 2-Tin Plated | 10 Material-Resin 4-PA9T | 11 Color-Resin W5-Housing: Natural, Actuator: Black | 12 Packaging M-Reel |

| | | | | | | | |
|----------------------------|---------------------------------------|-----------------|---------------------|---------------------|----------------------------------|--|------------------------|
| THIRD ANGLE PROJECTION | GENERAL TOLERANCES (UNLESS SPECIFIED) | | APPROVE BY FRANK | DATE 18/JUN/13 | PART NO. FFC10001-XXSBB124W5M | ITEM NO. FFC10001 | Leader Of Industry |
| | DESIGN UNITS Inch (metric) | X.±.012(0.30) | X.±5' | CHECKED BY JACOB | DATE 18/JUN/13 | TITLE FPC/FFC Connector 1.00mm Bottom Contact SMT | |
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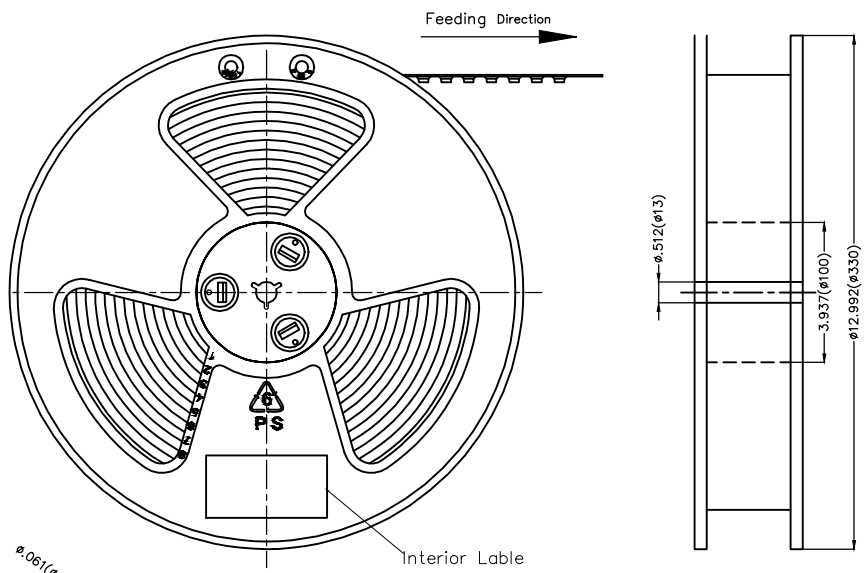
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|-----|-----------|-------------|------|---------|------|
| REV | LOCATIONS | DESCRIPTION | DATE | REVISED | APPD |
| | | | | | |

| Circuits (n) | Part No. | Dimensions(in/mm) | | | | Circuits (n) | Part No. | Dimensions(in/mm) | | | |
|-----------------|----------------------|-------------------|-------------|-------------|-------------|-----------------|----------------------|-------------------|--------------|--------------|--------------|
| | | A | B | C | D | | | A | B | C | D |
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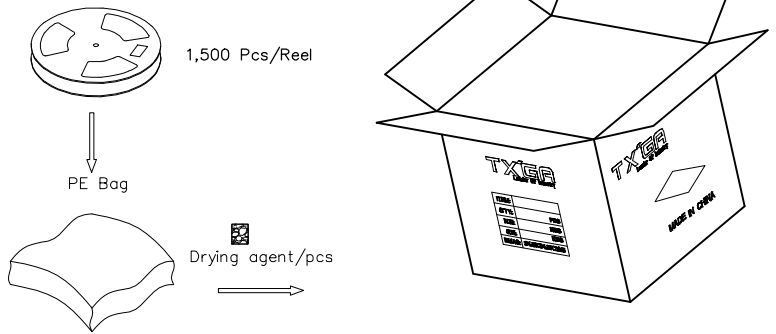
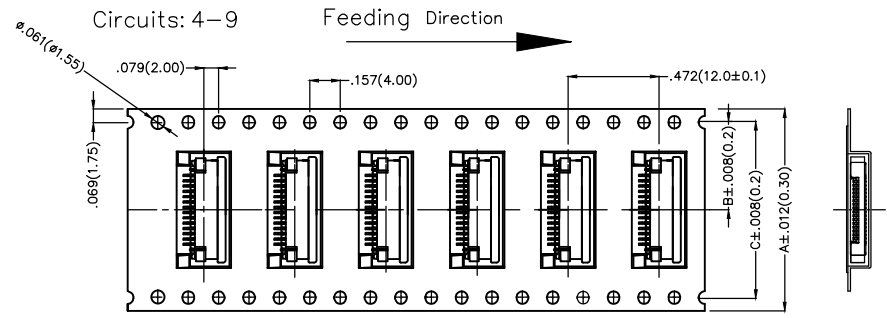
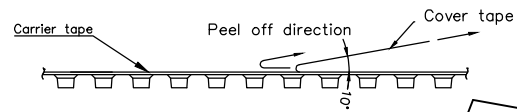
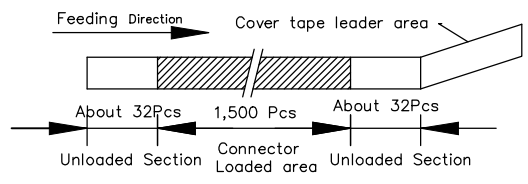
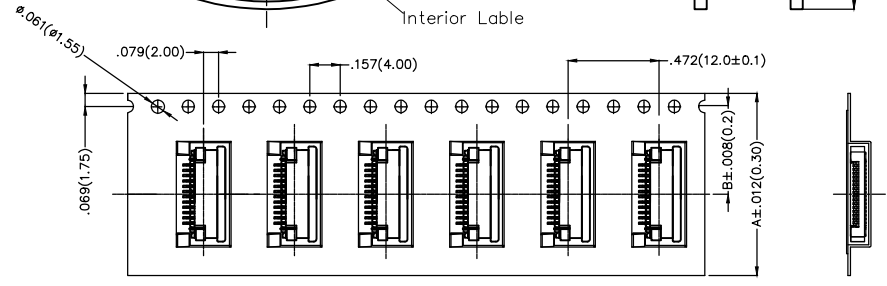
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|---|--|-----------------|---------------------|---------------------|----------------------------------|--|---|
|  THIRD ANGLE PROJECTION | GENERAL TOLERANCES (UNLESS SPECIFIED) | | APPROVE BY FRANK | DATE 18/JUN/13 | PART NO. FFC10001-XXSBB124W5M | ITEM NO. FFC10001 |  Leader Of Industry |
| | DESIGN UNITS Inch (metric) | X.±.012(0.30) | X.±5' | CHECKED BY JACOB | DATE 18/JUN/13 | TITLE FFC/FFC Connector 1.00mm Bottom Contact SMT | |
| SCALE 5:1 | SIZE A4 | X.XX±.006(0.15) | .XX±1' | DRAWN BY CHERRY | DATE 18/JUN/13 | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO TXGA INDUSTRIAL ELECTRONICS(S.Z)CO.,LTD AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION | |

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| | | | | | |

- Note:
1. 10 sprocket hole cumulative tolerance ± 0.2
 2. Carrier camber is within 1.0mm in 250mm
 3. Material: White Conductive polystyrene Alloy 100% recyclable
 4. All dimensions meet EIA-481-3 requirements
 5. Peel off force of cover tape & carrier tape: 20g~130g(0.2N~1.3N)
 6. Component load per 13" reel: 1,500 pcs



| Circuits (n) | Dimensions(in/mm) | | |
|--------------|-------------------|-------------|--------------|
| | A | B | C |
| 4~9 | .945(24.0) | .453(11.5) | — |
| 10~16 | 1.260(32.0) | .561(14.25) | 1.033(28.50) |
| 17~27 | 1.732(44.0) | .797(20.25) | 1.594(40.50) |



A
B
C
D
E
F

A
B
C
D
E
F

| | | | | | | | |
|-------------------------------|---------------------------------------|------------------------|-----------------|-----------|------------------------------|----------|--|
| <p>THIRD ANGLE PROJECTION</p> | GENERAL TOLERANCES (UNLESS SPECIFIED) | | APPROVE BY | DATE | PART NO. | ITEM NO. | <p>Leader Of Industry</p> |
| | X. \pm .012(0.30) | X. \pm 5' | FRANK | 18/JUN/13 | FFC10001-XXSBB124W5M | FFC10001 | |
| | X.X \pm .008(0.20) | .X \pm 2' | CHECKED BY | DATE | TITLE | | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO TXGA INDUSTRIAL ELECTRONICS(S.Z)CO.,LTD AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |
| | X.XX \pm .006(0.15) | .XX \pm 1' | JACOB | 18/JUN/13 | FPC/FFC Connector 1.00mm SMT | | |
| SCALE | SIZE | X.XXX \pm .004(0.10) | .XXX \pm 0.5' | DRAWN BY | DATE | REV 0 | SHEET NO. 5/5 |
| 5:1 | A4 | | | CHERRY | 18/JUN/13 | | |

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[086222026001800](#) [62674-201121DLF](#) [62684-36210E9ALF](#) [52610-1675](#) [52746-1671-TR250](#) [10051922-2810EHLF](#) [6-520415-9](#) [BD021-09A-A1-0350-0200-0550-LD](#) [SFV6R-1STE9HLF](#) [XF3M-2915-1B-R100](#) [1658549-1](#) [62674-221121ALF](#) [46214008010800](#) [046298003000883](#)
[151660622](#) [842-816-2630-035](#) [AYF331135A](#) [AYF530665TA](#) [AYF351525](#) [046296011930846+](#) [AYF352325A](#) [046254020000800+](#) [FH19C-13S-0.5SH\(99\)](#) [FH39J-51S-0.3SHW\(99\)](#) [AYF355125A](#) [AYF530365TA](#) [FH29B-44S-0.2SHW\(99\)](#) [SFW5R-2STAE9LF](#) [AYF351125A](#)
[AYF350725A](#) [62684-502100AHLF](#) [FH39-61S-0.3SHW\(99\)](#) [AYF414035A](#) [10064555-172520HLF](#) [AYF212335A](#)