

542MLF



**Part Number:** 542MLF

**Manufacturer:** [IDT \(Integrated Device Technology\)](#)

**Description:** IC CLK BUFFER 1:2 156MHZ 8SOIC

**Data sheet:**  [ICS542](#)

**RoHs Status:** Lead free / RoHS Compliant

**Ship From:** Hong Kong

**Shipment Way:** DHL/Fedex/TNT/UPS/EMS

Images are for reference only.  
See Product Specifications for product details.  
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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                           |                                  |                                                                                         |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|----------------------------------|-----------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 542MLF                                    | Manufacturer                     | <a href="#">IDT (Integrated Device Technology)</a>                                      |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | IC CLK BUFFER 1:2 156MHZ 8SOIC            | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                              |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 53653 pcs                                 | Data sheet                       | <a href="#">ICS542</a>                                                                  |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <a href="#">Integrated Circuits (ICs)</a> | Voltage - Supply                 | 3 V ~ 5.5 V                                                                             |
| Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Fanout Buffer (Distribution), Divider     | Supplier Device Package          | 8-SOIC                                                                                  |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | -                                         | Ratio - Input:Output             | 1:2                                                                                     |
| Packaging                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Tube                                      | Package / Case                   | 8-SOIC (0.154", 3.90mm Width)                                                           |
| Output                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 3-State, CMOS                             | Other Names                      | 800-1053<br>800-1053-5<br>800-1053-ND<br>ICS542MLF                                      |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 0°C ~ 70°C                                | Number of Circuits               | 1                                                                                       |
| Mounting Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Surface Mount                             | Moisture Sensitivity Level (MSL) | 1 (Unlimited)                                                                           |
| Manufacturer Standard Lead Time                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 12 Weeks                                  | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                              |
| Input                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | CMOS                                      | Frequency - Max                  | 156MHz                                                                                  |
| Differential - Input:Output                                                                                                                                                                                                                                                                                                                                                                                                                                                              | No/No                                     | Detailed Description             | Clock Fanout Buffer (Distribution), Divider IC 1:2 156MHz 8-SOIC (0.154", 3.90mm Width) |
| Base Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | ICS542                                    |                                  |                                                                                         |
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| RELATED PRODUCTS                                                                   |                                                                                     |                                                                      |                     |
|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|----------------------------------------------------------------------|---------------------|
|  | Part#: <a href="#">5429/25 SL005</a><br>Description: CABLE 25COND 18AWG SLATE 100'  | Manufacturers: <a href="#">Alpha Wire</a>                            | <a href="#">RFQ</a> |
|  | Part#: <a href="#">542P2S72</a><br>Description: CABLE R/A MALE-FEMALE 2POS 6'       | Manufacturers: <a href="#">Conxall</a> / <a href="#">Switchcraft</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">542P2P144</a><br>Description: CABLE R/A MALE-MALE 2POS 12'       | Manufacturers: <a href="#">Conxall</a> / <a href="#">Switchcraft</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">5429/15 SL002</a><br>Description: CABLE 15COND 18AWG SLATE 500'  | Manufacturers: <a href="#">Alpha Wire</a>                            | <a href="#">RFQ</a> |
|  | Part#: <a href="#">542MLFT</a><br>Description: IC CLK BUFFER 1:2 156MHZ 8SOIC       | Manufacturers: <a href="#">IDT (Integrated Device Technology)</a>    | <a href="#">RFQ</a> |
|  | Part#: <a href="#">5429/19 SL005</a><br>Description: CABLE 19COND 18AWG SLATE 100'  | Manufacturers: <a href="#">Alpha Wire</a>                            | <a href="#">RFQ</a> |
|  | Part#: <a href="#">542S2S72</a><br>Description: CABLE R/A FEMALE-FEMALE 2POS 6'     | Manufacturers: <a href="#">Conxall</a> / <a href="#">Switchcraft</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">5429/25 SL001</a><br>Description: CABLE 25COND 18AWG SLATE 1000' | Manufacturers: <a href="#">Alpha Wire</a>                            | <a href="#">RFQ</a> |
|  | Part#: <a href="#">5429/19 SL001</a><br>Description: CABLE 19COND 18AWG SLATE 1000' | Manufacturers: <a href="#">Alpha Wire</a>                            | <a href="#">RFQ</a> |
|  | Part#: <a href="#">542S2S144</a><br>Description: CABLE R/A FEMALE-FEMAL 2POS 12'    | Manufacturers: <a href="#">Conxall</a> / <a href="#">Switchcraft</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">542P2P72</a><br>Description: CABLE R/A MALE-MALE 2POS 6'         | Manufacturers: <a href="#">Conxall</a> / <a href="#">Switchcraft</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">542MILF</a><br>Description: IC CLK BUFFER 1:2 156MHZ 8SOIC       | Manufacturers: <a href="#">IDT (Integrated Device Technology)</a>    | <a href="#">RFQ</a> |
|  | Part#: <a href="#">542P2S144</a><br>Description: CABLE R/A MALE-FEMALE 2POS 12'     | Manufacturers: <a href="#">Conxall</a> / <a href="#">Switchcraft</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">5429/25 SL002</a><br>Description: CABLE 25COND 18AWG SLATE 500'  | Manufacturers: <a href="#">Alpha Wire</a>                            | <a href="#">RFQ</a> |
|  | Part#: <a href="#">542MLFT</a><br>Description: IC CLK BUFFER 1:2 156MHZ 8SOIC       | Manufacturers: <a href="#">IDT (Integrated Device Technology)</a>    | <a href="#">RFQ</a> |
|  | Part#: <a href="#">542P2S36</a><br>Description: CABLE R/A MALE-FEMALE 2POS 3'       | Manufacturers: <a href="#">Conxall</a> / <a href="#">Switchcraft</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">542P2P36</a><br>Description: CABLE R/A MALE-MALE 2POS 3'         | Manufacturers: <a href="#">Conxall</a> / <a href="#">Switchcraft</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">542S2S36</a><br>Description: CABLE R/A FEMALE-FEMALE 2POS 3'     | Manufacturers: <a href="#">Conxall</a> / <a href="#">Switchcraft</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">5429/19 SL002</a><br>Description: CABLE 19COND 18AWG SLATE 500'  | Manufacturers: <a href="#">Alpha Wire</a>                            | <a href="#">RFQ</a> |
|  | Part#: <a href="#">5429/15 SL005</a><br>Description: CABLE 15COND 18AWG SLATE 100'  | Manufacturers: <a href="#">Alpha Wire</a>                            | <a href="#">RFQ</a> |

| Related keywords for 542MLF               |                    |                                           |                                              |
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