

Manufacturing Info

MBOI

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PH4 ISPL (ATEC) (CU) MBOI Data

Search Files:

74VHC32MTCX-IPN

Search

MBOI Masters

ASY (850)MEF (4)TST (925)Open Compliance (832)

Search text is highlighted in RED 74VHC32MTCX-IPN

| Manufacturing Bill of Information (MBOI) | | | |
|--|---|--------------------------|---|
| Part Number | 74VHC32MTCX-IPN-ASY | Part Type | Assembly Part |
| Site Name Loc Cod | PH4 ISPL (ATEC) CU | File Name | PH4_74VHC32MTCX-IPN_74VHC32MTCX-IPN-ASY_ASY |
| Flags | Non Safe Launch Item No Global Hold Flag | Part Qual Target Market: | I Industrial |
| Part Version | 5 | Part Version Date-Time | 2024-MAY-05 05:43:36 (GMT +7) |

| Orderable Part Section - OPN | | | |
|--------------------------------|--|-----------------------------|---------------------------|
| Part Number Desc | 74VHC32MTCX-IPN QUAD 2-INPUT OR GATE | Market PN | 74VHC32MTCX-IPN |
| Lifecycle Phase | Production | Part Class Desc | AA ASSEMBLED AND TESTED |
| Marketing Product Lifecycle | Follow Part Lifecycle | Part Sub Type | OPN |
| Part Release Status Desc | MC-M Mass Production | Part Usage | STD |
| Case Outline (CO) | 948G DP | PAL4 Code Desc | |
| Product Data Sheet | | | |
| ERP Resource Code - ASY Desc | F304 TSSOP14 AU SNGL HPBF | OPN Part Qual Target Market | I Industrial |
| Packing Configuration | TSSOP-14_948G_REEL_2500_FBQ5000 | Eng Package Type | TSSOP-14 |

| Assembly Part Section - ASY | | | |
|-----------------------------|------------------------------------|--------------------------------|-----------------------------|
| Part Number | 74VHC32MTCX-IPN-ASY | Description | QUAD 2-INPUT OR GATE |
| Lifecycle Phase | Production | Part Usage | STD |
| Part Release Status Desc | MC-M Mass Production | Part Sub Type | ASY |
| PAL4 Code Desc | | ERP Resource Code - ASY Desc | F304 TSSOP14 AU SNGL HPBF |
| Part Qual Target Market | I Industrial | | |
| Case Outline (CO) | 948G DP | Package Type | TSSOP-14 |
| ECAT Override | | Actual Lead Count | 14 |
| Package Assembly Platform | SOSM - Small Outline Surface Mount | Assembly Baseline Spec | |
| Assembly Process Flow Spec | | Assembly Spec(s) - Global | |
| Lot Processing Restrictions | Standard | Package Substrate Layout(s) | |
| ITAR Part Flag | N | Customs Configuration | 8542.39.0001 |
| Customs ECCN Code | EAR99 | Customer Consigned Flag | N |
| Compressed? | | Compressed Part Number | |
| Wettable Process Type | | Wettable Flank Flag | |
| Site Notes | | | |

| BOM Components | | | | | | | | |
|------------------------|---|---------------|------|------------|-------|-----|--------------------------------------|-----------------|
| Alternate 002 | Part Number | Part Sub Type | Line | Preference | Group | Qty | Description | Lifecycle Phase |
| Primary Die | 74VHC32-XDC3026D-WDQ WP | WDQ | 001 | 01 | 0 | 1 | Wafer 200 | Production |
| | Die Size (X + Y W/Scribe Street): 617.2 x 617.2 | | | | | | PDPW : 73856 | |
| Package Kit | N17608G030 | PKT | 002 | 01 | 0 | 1 | PKGKIT TSSOP14 CU (PH4) | Production |
| | Piece Parts | | | | | | | |
| | 1360100014 | FRAME | 010 | 01 | 0 | 1 | LF TSSOP 14L JEDEC 4.4MM STAMPED PPF | Production |
| | 13601510002 | EPXY | 020 | 01 | 0 | 1 | DA HE QMI519 2.5CC/5CC | Production |
| | 13601610001 | WIRE | 030 | 01 | 0 | 1 | BW Au 0.8 MIL | Production |
| | 1360191000 | MOLD | 040 | 01 | 0 | 1 | MC HITACHI CEL800JF 13MMX5.3G | Production |
| BOI 67-Bonding Diagram | 67AON20112G B | DOC | 003 | 01 | 0 | 1 | 74VHC32x Series | Production |



| | | | |
|-------------------------------|--|----------------------------------|--|
| Standard Marking Flag | | | |
| PB Free Mark Character Flag | | | |
| Consolidated Mark Machine Std | | Consolidated Mark Machine Custom | Line1: \$Y&Z&2&K Line2: V32 Line3: UNK Line4: UNK Line5: UNK |

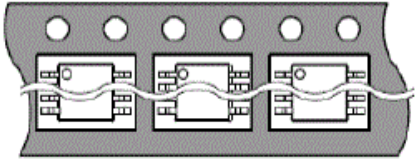
Marking Details Section

| | | | |
|---------------------------------|----------------|------------------------------|--|
| Date Code Type | S2 | | |
| Trace Code Legend - Front | | | |
| Trace Code Legend - Back | | | |
| Trace Code Spec | 12MON45426G BD | Part Marking Source | |
| Part Marking Image/CAD Document | | Marking Style Image Document | |
| Custom Logo Document | | ON Logo Document | |
| Final Test Specification | 48AON61241H O | | |

OPN Packing Section

| | | | |
|---|----------------------|---|-----------|
| PCQ Container Desc | REEL Tape and Reel | PCQ Quantity | 2500 |
| MPQ Container Desc | REEL Tape and Reel | MPQ Quantity | 2500 |
| Intermediate Full Box Container Type Intermediate Box Container Size Intermediate Full Box Container Quantity | 5000 | Intermediate Full Bag Container Type Intermediate Bag Container Size Intermediate Full Bag Container Quantity | |

Pin 1 Toward Upper Left



Labeling Section

| | | | |
|-------------------------|---|-----------------------------|-----|
| MSL | 1 | MSL Temperature | 260 |
| Pb Free Leads Flag | Y | Halide Free Flag | Y |
| Pb Free Die Attach Flag | Y | Lead Finish Category (eCAT) | e4 |

Document Group Section


| Document Num | Revision | Release Date | Title |
|--------------|----------|--------------|--|
| 12MON01117D | AC | 15-Nov-23 | Quality Assurance Inspection and Testing Sample Plan |
| 12MON03769D | Y | 04-Jul-22 | External Visual Inspection Criteria |
| 12MON45426G | BD | 02-Feb-23 | Mark Layout Instructions |
| 12MON49004E | AD | 14-Apr-23 | Subcontractors Bar Code Labeling |
| 12MRB17500B | FM | 19-Sep-23 | Finished Goods Packing and Long Term Storage Procedure |
| 12MRM92695A | AE | 27-Feb-24 | Lot Combination Control Requirements for onsemi |
| 48AON61241H | O | 05-Feb-24 | 74VHCxx, 74LCXxx & 74LVXxx Series |
| 67AON20112G | B | 12-Feb-24 | 74VHC32x Series |

BOM Links

| Up/Down Direction | Site | Top Part | Link |
|-------------------|------|-----------------|---|
| Up | PH4 | 74VHC32MTCX-IPN | PH4_74VHC32MTCX-IPN_74VHC32MTCX-IPN-TST_TST.XML |

Revision History

| Rev | Rev Date | Details |
|-----|----------------------|--|
| 5 | 2024-FEB-21 05:03:44 | LIFECYCLE_PHASE CONFIRM_REQUIRED previous_value:Prototype;new_value:Production LIFECYCLE_PHASE CONFIRM_REQUIRED previous_value:Prototype;new_value:Production PART_REL_DATE_PROD UPDATE_FILE_AND_VERSION previous_value:NULL;new_value:20-FEB-24 |
| 4 | 2024-FEB-13 12:10:42 | Deleted Component:74VHC32-XDC3116D-WDQ Deleted Component:67AON20164G Deleted Component:74VHC32-XBA31167-WDQ |

| | | |
|---|----------------------|---|
| <div><div><div>☰</div><div>onsemi</div><div></div></div><div><div>Q</div><div>JA</div><div></div><div>EN</div></div></div> | | |
| 2 | 2024-JAN-23 15:05:22 | LEAD_FINISH_CATEGORY_ECAT CONFIRM_REQUIRED previous_value:NULL;new_value:e4 MARK_STYLE_CONFIG_ID CONFIRM_REQUIRED previous_value:NULL;new_value:NO_STANDARD_MARKING_STYLE MARK_STYLE_SPEC UPDATE_FILE_AND_VERSION previous_value:NULL;new_value:ON Custom PB_FREE_DIE_ATTACH_FLG CONFIRM_REQUIRED previous_value:NULL;new_value:Y PB_FREE_IND_G_CD_IND UPDATE_FILE_AND_VERSION previous_value:NULL;new_value:None PB_FREE_LEADS_FLG CONFIRM_REQUIRED previous_value:NULL;new_value:Y PIN1_IND UPDATE_FILE_AND_VERSION previous_value:NULL;new_value:N/A POLARITY_IND UPDATE_FILE_AND_VERSION previous_value:NULL;new_value:NA STD_MARK_FLG UPDATE_FILE_AND_VERSION previous_value:Y;new_value:N |
| 1 | 2024-JAN-18 00:03:53 | Initial version |

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Language

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