PH4 ISPL (ATEC) (CU) MBOI Data

Search Files: [74VHC00MTCX-IPN]   [Search]   *MBOI Masters*

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

Search text is highlighted in RED 74VHC00MTCX-IPN

Manufacturing Bill of Information (MBOI)				
Part Number	74VHC00MTCX-IPN-ASY	Part Type	Assembly Part	
Site | Name | Loc Cod	PH4 | ISPL (ATEC) | CU	File Name	PH4_74VHC00MTCX-IPN_74VHC00MTCX-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 05:42:36 (GMT +7)	

Orderable Part Section - OPN			
Part Number | Desc	74VHC00MTCX-IPN | Quad 2-Input NAND Gate	Market PN	74VHC00MTCX-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	74VHC00MTCX-IPN-ASY	Description	Quad 2-Input NAND 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	74VHC00-XEC3026D-WDQ WP	WDQ	001	01	0	1	Wafer 200	Production
	Die Size (X + Y W/Scribe Street): 617.2 x 617.2						PDPW : 74087	
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	67AON20087G B	DOC	003	01	0	1	74VHC00x Series	Production

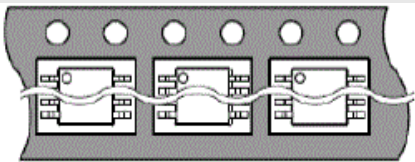| Standard Marking Flag			
PB Free Mark Character Flag			
Consolidated Mark Machine Std		Consolidated Mark Machine Custom	Line1: $Y&Z&2&K Line2: V00 Line3: UNK Line4: UNK Line5: UNK

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
67AON20087G	B	02-Feb-24	74VHC00x Series

BOM Links

Up/Down Direction	Site	Top Part	Link
Up	PH4	74VHC00MTCX-IPN	PH4_74VHC00MTCX-IPN_74VHC00MTCX-IPN-TST_TST.XML

Revision History

Rev	Rev Date	Details
5	2024-FEB-21 05:03:47	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 12:12:23	Deleted Component:67AON20162G Deleted Component:74VHC00-XBA30267-WDQ

| 2 | 2024-JAN-23 15:04:50 | 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 00:03:51 | Initial version |